

Section 20

Science

This section presents statistics relating to various aspects of scientific and technical activity. Major topics are research and development, training and employment of scientists and engineers, atomic energy, space vehicles, and patents and trademarks. Principal sources of these data are the National Science Foundation, the Atomic Energy Commission, and the National Aeronautics and Space Administration.

The National Science Foundation gathers data chiefly through recurring statistical surveys and the National Register of Scientific and Technical Personnel (see below). Current Foundation publications containing data on funds for research and development and on scientific and engineering personnel include the bulletin series, *Reviews of Data on Science Resources*; the regular reports, *Federal Funds for Research, Development, and Other Scientific Activities*; *Research and Development in Industry*, and *American Science Manpower*; occasional reports relating to colleges and universities, and other nonprofit institutions; special reports such as *Scientific Manpower From Abroad*; and policy reports relating to national allocation of manpower and funds to science and technology. Statistical surveys in these areas pose particularly difficult problems of concept and definition and the data should, therefore, be regarded as broad estimates rather than precise quantitative statements. Detailed discussions of the scope and limitations of the data appear in the source publications.

Neither the National Aeronautics and Space Administration nor the Atomic Energy Commission publish any statistical reports as such. NASA's *Semiannual Report* contains current data on finances and its biweekly *Satellite Situation Report* presents information on artificial satellites, including both objects in orbit and decayed objects. The Atomic Energy Commission's annual and semiannual reports contain data on atomic energy, equipment, finances, and licenses.

Other sources of statistics on scientific and technical activities include *The Budget of the United States Government*, which contains summary financial data on all Federal research and development programs; the report series *Resources for Medical Research*, issued by the Public Health Service of the Department of Health, Education, and Welfare, and designed to present timely information on funds, manpower, facilities, and institutions devoted to medical and health-related research; and the *Annual Report of the Commissioner of Patents*, issued by the Department of Commerce's Patent Office and presenting data on patent applications and issuances and on trademark registrations and renewals.

Research and development.—The National Science Foundation defines research as a "systematic and intensive study directed toward a fuller knowledge of the subject studied" and development as "the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, methods, or processes." The data on funds are presented within the framework of a national economic structure composed of four sectors: (1) The *government sector*, made up primarily of Federal executive agencies; (2) the *industry sector*, consisting of manufacturing and nonmanufacturing firms and the Federally Funded Research and Development Centers they administer; (3) the *colleges and universities sector*, composed of colleges, universities, and their affiliated institutions, agricultural experiment stations and associated schools of agriculture, and Federally Funded Research and Development Centers administered by educational institutions; and (4) the *other nonprofit institutions sector*, consisting of such organizations as private philanthropic foundations, nonprofit research insti-

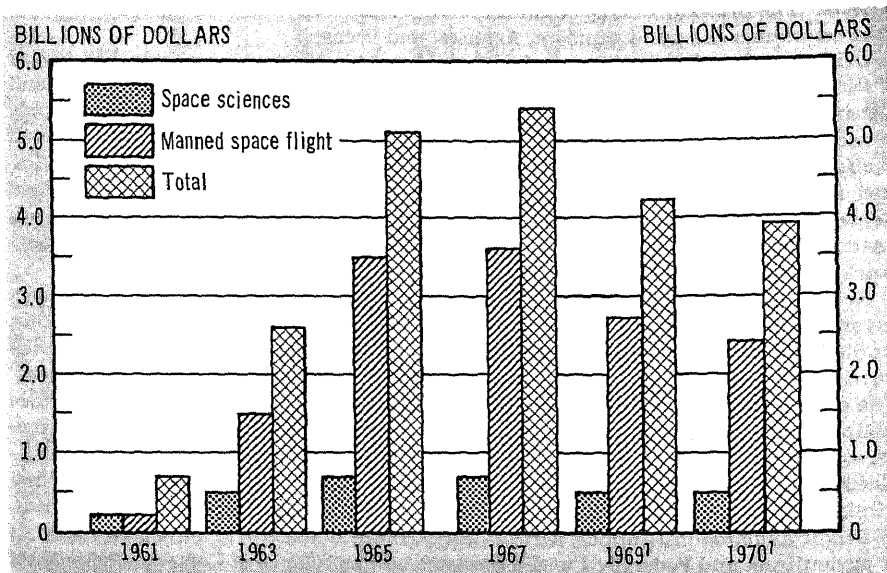
tutes, voluntary health agencies, and Federally Funded Research and Development Centers administered by nonprofit organizations. The federally funded centers are research and development organizations which are exclusively or substantially financed by the Federal government and which, in most instances, were originally established to meet a particular R&D need of the Government. They are administered on a contractual basis, by companies, educational institutions, or other nonprofit organizations. The R&D funds reported consist of current operating costs, including those for planning and administration, except as otherwise noted. They exclude funds for routine testing, mapping and surveying, collection of general-purpose data, dissemination of scientific information, and training of scientific manpower.

Scientists, engineers, and technicians.—Scientists and engineers are defined as persons engaged in scientific and engineering work at a level requiring a knowledge of sciences equivalent at least to that acquired through completion of a 4-year college course. They are generally classified according to the fields of their employment and not according to the discipline in which they received their major training. Technicians are defined as persons engaged in technical work at a level requiring knowledge acquired through a technical institute, junior college, or other type of training less extensive than 4-year college training. Craftsmen and skilled workers are excluded. The National Register of Scientific and Technical Personnel is a comprehensive program, conducted by the National Science Foundation, for the voluntary registration of scientists. Because it is voluntary, the Register does not include all scientists and engineers in the United States but it does provide valuable statistical information on demographic and other characteristics not available elsewhere.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

FIG. XXXI. NASA EXPENDITURES FOR RESEARCH AND DEVELOPMENT: 1961 TO 1970

[See table 797.]



¹ Estimated.

Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from Bureau of the Budget.

NO. 771. FUNDS FOR PERFORMANCE OF RESEARCH AND DEVELOPMENT AND BASIC RESEARCH, BY SECTOR, DISTRIBUTED BY SOURCE: 1955 TO 1967

[In millions of dollars. Data primarily on calendar year basis—data for calendar year 1957 for industry and other nonprofit institutions combined with Federal and university data for fiscal 1957 (1956-57); same pattern followed for subsequent years. Data refer, in general, to natural sciences including engineering and to social sciences in all but industry sector. Major portion of funds excludes capital expenditures for research and development. Expenditures at associated Federally Funded Research and Development Centers administered by industry and other nonprofit institutions included in totals of respective sectors]

PERFORMANCE SECTOR AND SOURCE OF FUNDS ¹	1955	1960	1961	1962	1963	1964	1965	1966 (prel.)	1967 (prel.)
Total R & D ²	6,270	13,710	14,500	15,610	17,350	19,180	20,510	22,380	23,770
Federal Government	900	1,730	1,870	2,100	2,280	2,840	3,090	3,220	3,400
Industry	4,640	10,510	10,910	11,460	12,630	13,510	14,190	15,570	16,450
Federal funds	2,180	6,080	6,240	6,430	7,270	7,720	7,740	8,300	8,390
Industry funds	2,460	4,430	4,670	5,030	5,360	5,790	6,450	7,270	8,060
Universities and colleges	410	830	970	1,140	1,360	1,590	1,870	2,140	2,370
Federal funds	170	410	500	610	760	910	1,100	1,260	1,380
Industry funds	20	40	40	40	40	40	40	50	50
University and college funds ³	190	330	370	420	490	560	640	730	830
Other nonprofit institutions funds ³	30	50	60	70	70	80	90	100	110
Universities and colleges associated Federally Funded R & D Centers	180	360	410	470	530	630	640	650	670
Other nonprofit institutions	140	280	340	440	550	610	720	800	880
Federal funds	60	140	195	275	380	430	490	540	590
Industry funds	30	40	40	45	45	50	60	60	60
Other nonprofit institutions funds ⁴	50	100	105	120	125	130	170	200	230
Total basic research	608	1,314	1,528	1,869	2,189	2,551	2,921	3,197	3,496
Federal Government	90	160	206	251	299	363	424	449	478
Industry	189	376	395	488	522	549	592	624	655
Federal funds	(NA)	79	81	143	147	165	186	172	206
Industry funds	(NA)	297	314	345	375	384	406	452	449
Universities and colleges	237	576	701	850	1,036	1,261	1,492	1,688	1,872
Federal funds	103	299	382	481	610	767	920	1,056	1,156
Industry funds	16	24	25	25	25	25	25	27	29
University and college funds ³	99	215	250	293	343	402	473	529	603
Other nonprofit institutions funds ³	19	38	44	51	58	67	74	76	84
Universities and colleges associated Federally Funded R & D Centers	49	97	115	136	159	191	198	202	236
Other nonprofit institutions	43	105	111	144	173	187	215	234	255
Federal funds	14	44	47	71	95	105	118	130	142
Industry funds	5	10	11	12	14	16	17	18	18
Other nonprofit institutions funds ⁴	24	51	53	61	64	66	80	86	95

NA Not available. ¹ Data on sources of funds are based on reports by the performers.

² Includes basic research, applied research, and development. ³ Includes State and local government funds received by these institutions and used for research and development.

⁴ Includes estimates for independent nonprofit hospitals and voluntary health agencies.

Source: National Science Foundation; unpublished data.

NO. 772. FUNDS FOR PERFORMANCE OF INDUSTRIAL RESEARCH AND DEVELOPMENT, BY CHARACTER OF WORK, 1960 TO 1967, AND BY INDUSTRY, 1967

[In millions of dollars. Includes performance of Federally Funded Research and Development Centers administered by industrial firms, classified by industry of the administering company. Excludes performance by certain industry-oriented organizations, such as trade associations, that account annually for less than 1 percent of the total. Excludes funds for R & D capital and the social sciences]

YEAR AND INDUSTRY	Total	RESEARCH			Development
		Total	Basic	Applied	
1960	10,509	2,405	376	2,029	8,104
1963	12,630	2,979	522	2,457	9,651
1964	13,512	3,149	549	2,600	10,362
1965	14,185	3,250	592	2,658	10,934
1966	15,548	3,467	624	2,843	12,081
1967	16,420	3,638	655	2,983	12,782
Chemicals and allied products	1,555	790	192	598	775
Petroleum refining and extraction ¹	469	225	31	194	243
Electrical equipment and communication ²	3,806	616	125	491	3,191
Aircraft and missiles	5,568	802	71	731	4,766
All other	5,012	1,205	236	969	3,807

¹ Excludes geological and geophysical exploration activities of petroleum companies.

² These 2 industries have been combined because of the similarity of their research and development activities.

Source: National Science Foundation; annual report, *Research and Development in Industry*.

No. 773. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT: 1960 TO 1969

[In millions of dollars. For years ending June 30. Excludes R&D plant. For any given year, obligations differ from expenditures (see table 774) because not all funds are expended during year obligated]

ITEM	1960	1962	1963	1964	1965	1966	1967	1968 est.	1969 est.
Total R&D	7,545	10,281	12,482	14,212	14,600	15,304	16,529	16,230	17,301
Basic research.....	610	1,106	1,389	1,567	1,690	1,844	2,015	2,093	2,354
Applied research.....	1,331	2,166	2,652	2,898	3,164	3,427	3,258	3,313	3,636
Development.....	5,605	7,008	8,442	9,747	9,746	10,033	11,256	10,824	11,311
Total research	1,941	3,273	4,041	4,464	4,854	5,271	5,273	5,406	5,990
Life sciences.....	511	810	922	1,045	1,167	1,301	1,451	1,586	1,765
Psychological sciences.....	38	57	72	95	103	100	108	113	131
Physical sciences.....	608	1,029	1,339	1,602	1,705	1,830	1,074	1,137	1,290
Environmental sciences.....	(1)	(1)	(1)	(1)	(1)	(1)	670	850	612
Mathematical sciences.....	25	64	87	93	105	123	130	107	145
Engineering sciences.....	690	1,059	1,445	1,450	1,576	1,677	1,555	1,524	1,695
Social sciences.....	35	63	80	102	127	166	189	208	251
Other sciences.....	33	190	97	77	70	74	95	82	102

¹ Included in "physical sciences."

No. 774. FEDERAL EXPENDITURES FOR RESEARCH AND DEVELOPMENT, AND R&D PLANT, BY AGENCY: 1960 TO 1969

[In millions of dollars. For years ending June 30. Includes social science research. Expenditure data in this table differ from those in table 771 because of the difference between Federal fiscal year reports and predominantly calendar year reporting by other sectors. See also *Historical Statistics, Colonial Times to 1967*, series W 79-94]

AGENCY	RESEARCH AND DEVELOPMENT					R&D PLANT				
	1960	1965	1967	1968 est.	1969 est.	1960	1965	1967	1968 est.	1969 est.
Total	7,277	13,790	16,049	15,891	16,891	461	1,084	793	685	676
Departments:										
Agriculture.....	121	200	254	269	276	11	6	16	19	33
Commerce.....	30	58	69	78	81	3	28	12	8	3
Defense.....	5,553	6,628	7,607	7,643	8,194	101	100	74	84	97
Army.....	1,066	1,409	1,709	1,508	1,727	43	20	25	31	35
Navy.....	1,277	1,397	1,929	2,032	2,234	24	22	13	11	17
Air Force.....	2,958	3,360	3,453	3,625	3,703	20	45	34	42	44
Other.....	252	462	515	478	530	15	12	2	1	1
Health, Educ., and Welfare.....	292	681	994	1,102	1,211	32	57	82	79	76
Interior.....	63	109	147	185	202	2	10	20	34	52
Transportation ¹	38	94	231	199	465	3	2	9	10	20
Atomic Energy Commission ²	762	1,241	1,257	1,365	1,504	224	279	210	207	244
National Aero. and Space Admin.....	330	4,555	5,131	4,638	4,495	71	538	295	167	81
National Science Foundation.....	51	136	207	240	257	7	57	71	71	64
All other.....	38	89	152	172	207	7	8	4	6	8

¹ Prior to 1967, Federal Aviation Agency. ² Data represent "accrued costs" rather than expenditures.

Source of tables 773 and 774: National Science Foundation; annual report, *Federal Funds for Research, Development, and Other Scientific Activities*.

No. 775. INDUSTRIAL RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION: 1967

[Amounts in millions of dollars. See headnote, table 772. For States in each division, see fig. I, p. xii]

GEOGRAPHIC DIVISION	TOTAL FUNDS		FEDERAL FUNDS		COMPANY FUNDS	
	Amount	Percent	Amount	Percent	Amount	Percent
United States	16,420	100	8,388	100	8,032	100
New England.....	1,644	10	915	11	729	9
Middle Atlantic.....	3,793	23	1,497	18	2,296	29
East North Central.....	3,100	19	604	7	2,496	31
West North Central.....	506	3	165	2	341	4
South Atlantic.....	1,226	7	753	9	473	6
East South Central.....	467	3	330	4	137	2
West South Central.....	739	5	435	5	304	4
Mountain.....	477	3	336	4	141	2
Pacific.....	4,469	27	3,353	40	1,116	14

Source: National Science Foundation; annual report, *Research and Development in Industry*.

No. 776. FUNDS FOR PERFORMANCE OF INDUSTRIAL RESEARCH AND DEVELOPMENT, BY INDUSTRY AND SOURCE OF FUNDS: 1960 TO 1967

[In millions of dollars. Covers basic research, applied research, and development. See headnote, table 772]

INDUSTRY	TOTAL FUNDS				FEDERAL FUNDS						PRIVATE INDUSTRY FUNDS				
	1960	1965	1966	1967	1960	1965	1966	1967	1960	1965	1966	1967	1960	1965	1967
Total	10,509	14,185	15,548	16,420	6,081	7,740	8,332	8,338	4,428	6,445	7,216	8,032			
Food and kindred products	104	151	153	168	9	1	1	1	95	150	151	167			
Textiles and apparel	38	38	51	52	9	(NA)	(NA)	(NA)	29	(NA)	(NA)	(NA)			
Lumber, wood products, and furniture	10	12	13	14	1	(NA)	(NA)	(NA)	9	(NA)	13	14			
Paper and allied products	56	77	88	94	(NA)	(NA)	(NA)	(NA)	(NA)	77	(NA)	(NA)			
Chemicals and allied products	980	1,300	1,461	1,565	171	191	190	212	807	1,193	1,271	1,353			
Petroleum refining and extraction ¹	296	434	430	469	20	69	47	38	276	364	383	431			
Rubber products	121	166	178	195	38	25	26	30	89	141	153	165			
Stone, clay, and glass products	88	117	128	152	(NA)	4	6	7	(NA)	113	122	145			
Primary metals	177	213	232	245	15	8	8	8	162	205	224	237			
Fabricated metal products	145	154	154	165	36	15	17	12	109	129	137	152			
Machinery	949	1,128	1,300	1,478	391	267	326	393	598	860	974	1,085			
Electrical equipment and communication ²	2,532	3,168	3,586	3,806	1,985	1,963	2,173	2,240	847	1,206	1,414	1,567			
Motor vehicles and other transportation equipment	884	1,223	1,339	1,377	916	325	364	389	683	898	995	988			
Aircraft and missiles	3,514	5,098	5,447	5,568	3,153	4,476	4,865	4,510	364	622	763	1,098			
Professional and scientific instruments	329	383	434	464	153	126	135	147	176	257	298	317			
Other industries ³	267	443	554	610	132	267	(NA)	(NA)	105	176	(NA)	(NA)			

¹ Represents zero. NA Not available.

² Includes data for all other manufacturing and nonmanufacturing industries not specifically listed. Excludes industry data specified as not available.

³ These 2 industries have been combined because of the similarity of their research and development activities.

Source: National Science Foundation; annual report, *Research and Development in Industry*.

No. 777. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES: 1965 to 1968
 [Money figures in millions of dollars. For years ending June 30. R&D=research and development]

YEAR	FEDERAL OBLIGATIONS		ACADEMIC SCIENCE OBLIGATIONS					NON-SCIENCE ACTIVITIES	
	Total	Percent annual increase	Total	Percent of Federal	R&D	R&D plant	Other activities	Total	Percent of Federal
1965.....	2,305.5	41.9	1,816.2	78.8	1,095.0	126.2	595.0	489.3	21.2
1966.....	3,033.5	31.6	2,187.0	72.1	1,275.7	114.8	796.6	846.4	27.9
1967.....	3,311.1	9.2	2,323.8	70.2	1,324.1	116.7	883.0	987.3	29.8
1968 (prel.).....	3,376.4	2.0	2,348.0	69.5	1,423.7	103.2	821.0	1,028.4	30.5

Source: National Science Foundation; annual report, *Federal Support for Academic Science and Other Educational Activities in Universities and Colleges*.

No. 778. SCIENTISTS, ENGINEERS, AND TECHNICIANS IN PRIVATE INDUSTRY, BY FIELD OF EMPLOYMENT, 1961 to 1967, AND BY INDUSTRY, 1967
 [As of January. Excludes psychologists and social scientists. 1967 data are preliminary]

YEAR AND INDUSTRY	Total	Engineers	Mathematicians	Chemists	Physicists	Metalurgists	Earth scientists	Other physical scientists	Life scientists	Technicians
1961.....	1,356,900	641,500	15,100	70,800	13,800	12,300	12,000	2,700	18,700	570,000
1962.....	1,413,500	670,600	18,200	71,900	13,900	11,800	12,600	6,400	18,700	589,500
1963.....	1,489,000	712,000	20,200	74,100	14,400	11,700	12,300	4,700	20,600	619,000
1964.....	1,527,900	726,900	21,700	77,200	15,900	11,800	11,800	5,200	20,900	636,500
1965.....	1,564,600	748,700	25,000	81,300	14,200	10,400	13,800	4,300	20,400	646,500
1966.....	1,627,800	776,100	27,200	84,300	15,100	11,000	13,800	4,700	22,400	673,200
Total, 1967.....	1,747,800	824,000	31,300	85,200	16,200	12,000	16,400	5,500	22,400	734,700
Ordinance and accessories.....	81,800	51,900	3,800	1,600	2,500	500	200	100	300	20,900
Chemicals and allied prod.....	140,200	42,500	1,400	40,500	2,100	800	100	800	11,200	40,800
Petroleum refining.....	20,900	10,700	200	3,300	100	(Z)	300	100	(Z)	6,200
Primary and fabricated metal products.....	105,000	50,600	1,000	3,200	400	5,000	100	200	100	44,000
Machinery.....	166,400	81,500	3,200	1,800	600	1,200	(Z)	100	200	77,800
Communications and equip.....	115,600	68,100	1,900	600	1,300	200	(Z)	600	100	42,000
Other electrical equip.....	141,200	73,800	1,400	2,000	1,600	400	100	300	100	61,500
Aircraft and parts.....	131,600	84,500	3,600	2,100	1,400	1,500	(Z)	200	200	38,200
Motor vehicles and equip.....	50,300	29,300	500	800	200	500	(Z)	100	(Z)	18,800
Instruments and related products.....	60,600	32,400	500	3,500	1,000	100	(Z)	400	200	22,500
Other manufacturing.....	115,600	52,200	1,300	13,400	500	300	300	1,400	3,900	42,300
Mining.....	44,000	17,300	300	1,000	200	400	12,300	200	100	12,300
Contract construction.....	69,300	43,300	300	(Z)	(Z)	(Z)	(Z)	-	-	25,700
Trans., public utilities, and other nonmig.....	206,800	82,500	7,500	4,800	300	100	500	300	3,200	107,600
Services.....	298,500	103,500	4,400	6,800	4,000	500	2,400	900	2,800	173,200

- Represents zero. Z Less than 50.

¹ Mainly laboratory, engineering, medical, and miscellaneous business services.

Source: Dept. of Labor, Bureau of Labor Statistics; unpublished data.

No. 779. RESEARCH AND DEVELOPMENT SCIENTISTS AND ENGINEERS—MAN-YEARS AND AVERAGE COST, BY INDUSTRY AND SOURCE OF SUPPORT: 1967

INDUSTRY	Total	Company	FEDERAL			
			Total	Department of Defense	Nat'l Aero. and Space Admin.	All other agencies
Man-years of R&D scientists and engineers	377,800	219,000	153,800	99,900	41,600	17,100
Chemicals and allied products.....	40,000	35,900	4,100	1,300	(NA)	2,700
Machinery.....	40,800	31,500	9,300	5,900	2,500	900
Electrical equipment and communication.....	97,300	46,800	50,500	31,200	11,000	8,300
Motor veh. and other transportation equip.....	24,700	18,200	6,500	4,200	(NA)	(NA)
Aircraft and missiles.....	101,400	26,600	74,800	49,100	23,000	2,700
Professional and scientific instruments.....	11,800	9,000	2,800	1,700	(NA)	(NA)
Other industries.....	61,800	51,900	10,800	6,500	2,100	2,100
Average cost (per scientist or engineer) ².....	\$43,500	\$36,700	\$52,800	\$51,600	\$55,400	\$54,000
Chemicals and allied products.....	39,100	37,700	51,700	49,200	(NA)	54,100
Machinery.....	36,300	34,400	42,300	47,100	38,800	20,000
Electrical equipment and communication.....	39,100	33,500	44,400	45,000	35,800	53,400
Motor veh. and other transportation equip.....	55,700	54,300	59,800	67,100	(NA)	(NA)
Aircraft and missiles.....	54,900	39,800	60,300	55,700	69,100	69,300
Professional and scientific instruments.....	39,300	35,200	52,500	49,400	(NA)	(NA)
Other industries.....	35,000	32,600	46,000	48,000	36,200	51,400

NA Not available. ¹ Includes data for industries not available separately.

² Obtained by dividing total R&D performance funds by man-years of R&D scientists and engineers.

Source: National Science Foundation; annual report, *Research and Development in Industry*.

No. 780. PROFESSIONAL SCIENTIFIC AND TECHNICAL PERSONNEL IN THE FEDERAL GOVERNMENT, BY OCCUPATIONAL GROUP: 1960 TO 1967

[1960 to 1962, as of October; thereafter, as of December]

OCCUPATIONAL GROUP	1960	1961	1962 ¹	1964 ¹	1966	1967
Total	155,973	163,427	174,408	186,822	193,607	204,198
Scientific personnel.....	53,264	60,077	61,982	68,324	72,471	76,010
Physical sciences.....	17,984	² 23,573	² 23,043	26,282	27,323	28,537
Mathematics and statistics ³	4,664	4,671	5,163	5,912	6,492	7,050
Biological sciences.....	21,636	22,502	23,666	24,883	26,424	27,167
Social sciences ⁴	4,672	4,919	5,479	5,818	6,328	6,854
Geography and cartography.....	2,300	2,278	2,389	2,949	3,173	3,378
Psychology.....	1,689	1,788	1,815	1,843	1,879	1,936
Operations research.....	319	346	427	637	852	1,088
Engineering personnel.....	60,978	² 59,974	² 67,500	74,869	76,832	81,213
Health professional personnel.....	41,731	43,376	44,926	43,629	44,304	46,975
Health officers.....	13,728	14,282	14,640	12,339	13,119	13,802
Other.....	28,003	29,094	30,286	31,290	31,185	33,173

¹ Data not collected for 1963 and 1965.

² Because of overlapping in job series classifications, several thousand personnel were transferred from engineering to the physical sciences series in 1961; many of them were transferred back to engineering in 1962.

³ Includes actuary, mathematics, statistics, and, beginning 1961, mathematical statisticians.

⁴ Includes social science, economics, history, and the anthropological sciences. Also included only in 1964 and 1966 is urban planning, with 138 and 175 in each year, respectively.

Source: National Science Foundation; periodic reports, compiled from data supplied by Civil Service Commission.

No. 781. SCIENTIFIC AND TECHNICAL PERSONNEL IN STATE GOVERNMENT AGENCIES—TOTAL 1964 AND 1967, AND BY STATES, 1967

YEAR AND STATE	Scien- tists	Engi- neers	Health- related profes- sionals	Social work- ers	Tech- ni- cians	STATE	Scien- tists	Engi- neers	Health- related profes- sionals	Social work- ers	Tech- ni- cians
1964.....	16,686	34,537	36,153	(¹)	60,232	Montana.....	137	418	145	262	635
Total, 1967.....	20,617	34,192	40,975	42,801	61,916	Nebraska.....	176	249	288	96	599
Alabama.....	269	738	174	914	1,774	Nevada.....	126	249	69	190	366
Alaska.....	216	204	145	123	431	New Hamp- shire.....	71	307	204	169	118
Arizona.....	228	158	172	390	932	New Jersey.....	372	775	1,239	954	1,390
Arkansas.....	308	190	461	406	566	New Mexico.....	258	317	263	510	506
California.....	2,426	5,719	3,314	2,347	6,825	New York.....	1,703	2,869	4,934	2,621	2,959
Colorado.....	353	563	500	196	868	North Carolina.....	684	823	787	593	1,329
Connecticut.....	362	798	1,008	1,263	924	North Dakota.....	88	132	159	82	152
Delaware.....	80	86	225	250	413	Ohio.....	551	681	1,154	724	2,585
Florida.....	787	847	2,084	1,808	2,578	Oklahoma.....	198	402	523	178	858
Georgia.....	391	672	164	736	1,382	Oregon.....	512	778	317	986	372
Hawaii.....	198	250	404	277	343	Pennsylvania.....	866	1,403	3,335	3,676	3,281
Idaho.....	154	121	281	198	464	Rhode Island.....	103	144	383	462	461
Illinois.....	955	1,504	1,811	2,212	1,317	South Carolina.....	227	309	615	820	397
Indiana.....	296	559	565	302	838	South Dakota.....	94	192	134	195	342
Iowa.....	192	314	367	947	1,301	Tennessee.....	298	386	978	1,514	1,386
Kansas.....	317	460	465	209	1,176	Texas.....	430	1,239	1,046	649	3,481
Kentucky.....	264	666	569	427	1,461	Utah.....	294	428	96	478	736
Louisiana.....	274	430	1,697	1,997	2,207	Vermont.....	129	329	179	277	357
Maine.....	182	350	217	882	480	Virginia.....	730	971	1,536	289	2,331
Maryland.....	445	259	1,079	1,071	1,276	Washington.....	552	866	446	1,425	1,472
Massachusetts.....	490	1,295	2,179	570	1,091	West Virginia.....	253	254	289	1,318	995
Michigan.....	713	902	1,132	2,885	1,896	Wisconsin.....	665	682	631	647	1,289
Minnesota.....	439	635	714	312	1,025	Wyoming.....	144	255	91	52	511
Mississippi.....	336	209	829	987	1,318						
Missouri.....	281	805	638	2,335	642						

¹ Comparable data not available due to change in definition.

Source: Dept. of Labor, Bureau of Labor Statistics; *Scientific and Technical Personnel in State Government Agencies, 1967* (scheduled for publication in 1969).

No. 782. SELECTED CHARACTERISTICS OF SCIENTISTS: 1968

[For discussion of coverage, see text, p. 522. For definition of median, see preface]

CHARACTERISTIC	Num- ber	Per- cent	Median salary	CHARACTERISTIC	Num- ber	Per- cent	Median salary
Total.....	297,942	100.0	\$13,200	Highest degree:			
Sex:				Ph. D.....	111,206	37.3	15,000
Men.....	270,109	90.7	13,500	Professional medical.....	7,455	2.5	20,000
Women.....	27,833	9.3	10,000	Master's.....	86,717	29.1	12,000
Years of professional experi- ence:				Bachelor's.....	89,141	29.9	12,000
1 year or less.....	11,312	3.8	9,000	Less than a bachelor's.....	353	0.1	14,000
2-4 years.....	44,308	14.9	10,000	Not reported.....	3,070	1.0	12,400
5-9 years.....	55,645	18.7	11,700	Age:			
10-14 years.....	42,590	14.3	13,800	20-29 years.....	61,420	20.6	9,500
15-19 years.....	39,352	13.2	15,100	30-39 years.....	98,950	33.2	12,300
20 years or more.....	63,933	21.4	16,800	40-49 years.....	78,498	26.3	15,200
Not reported.....	40,802	13.7	14,000	50-59 years.....	40,410	13.6	16,300
				60 years and over.....	17,717	5.9	16,000
				Not reported.....	947	0.3	11,400

Source: National Science Foundation. Data derived from the National Register of Scientific and Technical Personnel, 1968.

No. 783. MEDIAN SALARIES IN SELECTED SCIENCE FIELDS: 1964, 1966, AND 1968

[In dollars. Covers full-time employed civilians reporting to the National Register of Scientific and Technical Personnel. For discussion of coverage, see text, p. 522. For definition of median, see preface]

FIELD	1964	1966	1968	FIELD	1964	1966	1968
All fields.....	11,000	12,000	13,200	Linguistics.....	9,000	10,000	11,500
Agricultural sciences.....	9,200	10,000	11,000	Mathematics.....	(NA)	(NA)	13,000
Anthropology.....	(NA)	11,500	12,700	Atmospheric and space sciences.....	(NA)	(NA)	13,000
Biological sciences.....	10,700	12,000	13,000	Physics.....	12,000	12,500	14,000
Chemistry.....	11,000	12,000	13,500	Political science.....	(NA)	(NA)	12,000
Computer sciences.....	(NA)	(NA)	14,100	Psychology.....	10,300	11,500	13,200
Earth and marine sciences.....	(NA)	(NA)	12,900	Sociology.....	10,100	11,300	12,000
Economics.....	12,000	13,100	15,000	Statistics.....	12,000	12,800	14,900

NA Not available.

Source: National Science Foundation; *Reviews of Data on Science Resources*, Nos. 2, 11, and 16.

No. 784. SCIENTISTS—NUMBER AND MEDIAN ANNUAL SALARIES, BY TYPE OF EMPLOYER AND WORK ACTIVITY: 1968

[For discussion of coverage, see text, p. 522. For definition of median, see preface]

TYPE OF EMPLOYER	Total	WORK ACTIVITY							
		Research and development			Management or administration		Teaching ³	Production and inspection	Other
		Total ¹	Basic research	Applied research	Total ²	R & D			
All employers, number.....	4 297,942	96,036	46,177	38,841	62,870	28,568	62,087	16,847	35,115
Educational institutions.....	117,746	38,668	28,818	9,447	10,278	3,680	60,230	250	4,826
Federal Government.....	29,666	12,249	5,664	6,000	10,680	4,668	294	1,087	4,561
Other government.....	10,031	2,588	1,005	1,494	4,040	1,175	291	548	2,242
Military.....	7,155	1,492	739	671	2,506	688	366	205	2,164
Nonprofit organizations.....	11,204	4,970	2,315	2,425	2,921	1,517	218	209	2,523
Industry and business.....	95,776	34,271	6,675	18,034	30,910	16,321	254	14,057	13,720
Self-employed.....	6,462	472	132	284	792	209	59	332	4,434
Other.....	1,729	556	309	201	437	171	167	92	384
No report of employer.....	5,466	770	520	225	302	139	208	67	261
Median salary, employers.....	\$13,200	\$13,400	\$13,000	\$13,800	\$17,000	\$18,400	\$13,000	\$12,000	\$13,000
Educational institutions ⁴	13,500	12,700	12,000	13,700	18,000	18,000	13,000	10,000	12,400
Federal Government.....	13,500	13,400	13,500	13,000	15,300	18,000	(B)	11,600	12,800
Other government.....	11,200	11,000	11,200	11,000	12,000	12,500	(B)	9,800	10,800
Nonprofit organizations.....	14,700	14,100	13,500	15,000	18,000	20,000	(B)	10,000	12,500
Industry and business.....	14,700	14,000	15,000	14,300	18,000	18,700	(B)	12,000	13,300
Self-employed.....	18,000	16,100	14,400	17,000	16,000	19,000	(B)	15,000	20,000
Other.....	12,600	11,500	10,200	12,300	16,000	16,600	(B)	11,300	12,800
No report of employer.....	14,000	14,000	13,000	14,000	16,500	17,000	(B)	12,000	13,500
R. Not computed; see note 1, p. 52. For definition of median, see preface.									

¹ Not computed; base to low.² Includes management or administration of activities other than research or development that were not separately identified.³ Salaries are computed on a calendar year (11-12 month) basis.⁴ Includes 12,707 not employed and 12,280 not reporting work activity.

Source: National Science Foundation. Data derived from the National Register of Scientific and Technical Personnel, 1968.

No. 785. SCIENTISTS, BY FIELD OF EMPLOYMENT, 1962 TO 1968, AND BY STATES AND OTHER AREAS, 1968

[For discussion of coverage, see text, p. 522]

YEAR AND STATE OR OTHER AREA	Total	FIELD OF GREATEST COMPETENCE								
		Agri- cultural sciences	Biolog- ical sciences	Psy- chology	Atmos- pheric and earth sciences ¹	Mathem- atics and statistics ²	Physics	Chem- istry	Eco- nomics	Other social sciences
1962.....	214,940	12,389	25,554	16,791	24,104	18,180	25,725	54,130	(³)	³ 38,058
1964.....	223,854	9,526	27,135	16,804	23,417	20,254	26,698	63,053	12,143	24,824
1966.....	242,763	10,038	29,633	19,027	26,032	25,848	29,130	65,917	13,150	23,988
Total, 1968.....	297,942	12,740	46,183	23,077	29,491	34,088	32,491	93,788	11,510	14,574
Alabama.....	2,519	224	395	144	155	377	295	763	87	79
Alaska.....	651	175	114	15	228	30	31	38	9	11
Arizona.....	2,414	196	420	190	410	273	286	401	91	147
Arkansas.....	1,050	185	236	78	78	74	45	269	49	36
California.....	33,275	1,088	4,790	3,220	3,406	4,966	5,160	8,150	995	1,500
Colorado.....	5,394	369	699	388	1,635	520	621	874	106	182
Connecticut.....	5,321	68	757	459	200	692	762	1,913	185	285
Delaware.....	2,909	23	163	70	43	87	129	2,341	29	24
District of Columbia.....	8,829	250	1,087	595	990	1,245	1,103	1,307	1,301	861
Florida.....	5,244	326	984	526	524	579	513	1,389	168	235
Georgia.....	3,599	426	779	318	225	393	231	880	175	172
Hawaii.....	1,207	74	276	97	202	117	84	195	44	118
Idaho.....	1,206	356	213	65	115	52	104	248	24	29
Illinois.....	15,250	284	2,546	1,314	905	1,588	1,433	5,676	662	842
Indiana.....	6,347	174	1,156	442	290	772	570	2,290	282	371
Iowa.....	3,230	171	752	329	137	352	303	810	179	197
Kansas.....	2,736	136	505	295	378	322	165	675	117	143
Kentucky.....	2,398	144	434	200	195	240	143	809	97	136
Louisiana.....	4,417	242	607	143	1,498	311	180	1,203	98	135
Maine.....	891	120	187	71	65	91	56	211	38	52
Maryland.....	9,628	193	2,333	548	760	1,449	1,463	2,333	194	355
Massachusetts.....	12,137	100	1,807	884	652	1,594	2,307	3,629	478	686
Michigan.....	10,605	400	1,668	963	572	1,113	868	3,903	427	691
Minnesota.....	5,189	332	973	484	267	686	445	1,574	188	240
Mississippi.....	1,258	202	291	73	202	90	55	244	52	49
Missouri.....	5,446	199	1,009	356	505	566	400	1,905	247	259
Montana.....	1,193	354	255	38	219	86	40	140	35	27
Nebraska.....	1,636	151	357	136	225	203	96	305	76	87
Nevada.....	693	89	95	38	181	38	67	134	21	30
New Hampshire.....	978	74	201	61	87	116	125	202	55	57
New Jersey.....	14,004	129	1,263	823	285	1,425	1,474	8,096	208	301
New Mexico.....	2,568	210	266	100	372	335	742	434	42	57
New York.....	31,279	397	4,803	3,335	1,278	4,186	3,724	10,283	1,453	1,820
North Carolina.....	4,499	297	1,028	306	244	480	295	1,370	177	302
North Dakota.....	714	98	175	55	103	59	21	164	30	19
Ohio.....	13,121	102	1,582	1,013	653	1,137	1,371	6,179	433	561
Oklahoma.....	3,731	134	410	174	1,279	293	169	1,109	92	71
Oregon.....	3,445	837	787	254	254	260	194	567	125	167
Pennsylvania.....	16,421	331	2,326	1,390	780	1,709	1,743	6,887	513	742
Rhode Island.....	1,185	31	191	83	82	128	183	367	38	82
South Carolina.....	1,756	197	251	94	88	142	121	754	67	42
South Dakota.....	698	142	173	56	71	64	24	107	33	28
Tennessee.....	4,171	181	728	270	192	348	512	1,625	143	172
Texas.....	14,861	436	1,664	722	4,572	1,417	1,248	4,047	308	447
Utah.....	2,022	186	433	115	377	190	156	438	53	74
Vermont.....	606	59	156	54	40	60	63	109	32	33
Virginia.....	5,789	273	716	391	505	1,011	759	1,645	261	228
Washington.....	5,372	614	985	411	491	577	580	1,301	168	245
West Virginia.....	1,828	139	218	88	112	81	66	1,005	61	58
Wisconsin.....	5,721	332	1,115	455	355	648	489	1,648	253	426
Wyoming.....	854	142	120	41	309	35	37	138	19	13
Other areas.....	571	28	109	36	116	25	36	149	25	47
Foreign.....	5,086	230	595	271	1,584	457	404	565	377	603

¹ Beginning 1968, includes space and marine sciences.

² Beginning 1968, includes computer sciences.

³ Economics included in "Other social sciences."

Source: National Science Foundation; biennial report, *American Science Manpower*. Data derived from the National Register of Scientific and Technical Personnel.

NO. 786. MALE COLLEGE GRADUATES, BY HIGHEST DEGREE AND FIELD OF SPECIALIZATION: 1967

[In thousands. As of March. Men with more than one degree are counted according to highest degree only]

FIELD	Total	HIGHEST DEGREE			PERCENT DISTRIBUTION			
		Bachelor	Master	Other ¹	Total	Highest degree		
						Bachelor	Master	Other ¹
Total.....	6,352	4,206	1,079	1,067	100.0	100.0	100.0	100.0
Biological sciences.....	285	221	42	22	4.5	5.2	3.9	2.1
Business and commerce.....	1,171	1,008	163	-	18.4	24.0	15.1	-
Education.....	976	590	356	30	15.4	14.0	33.0	2.8
Engineering.....	1,000	825	145	29	15.7	19.6	13.4	2.7
Health professions.....	477	96	10	372	7.5	2.3	0.9	34.9
Humanities.....	380	275	81	24	6.0	6.5	7.5	2.3
Law.....	406	14	-	392	6.4	0.3	-	36.8
Physical sciences.....	583	381	111	42	8.4	9.1	10.3	3.9
Religion.....	142	29	7	106	2.2	0.7	0.7	9.9
Social sciences.....	679	549	100	31	10.7	13.1	9.2	2.0
Other fields.....	178	152	24	2	2.8	3.6	2.2	0.2
Not reported.....	126	67	41	18	2.0	1.6	3.8	1.6

- Represents zero or rounds to zero. ¹ Doctor's, law, and divinity degrees.

NO. 787. MALE COLLEGE GRADUATES, BY DETAILED FIELD OF SPECIALIZATION OF HIGHEST DEGREE: 1967

[In thousands. As of March. Men with more than one degree are counted according to highest degree only]

FIELD	Num-ber	Per-cent	FIELD	Num-ber	Per-cent
Total	6,352	100.0	Physical sciences.....	533	8.4
Biological sciences.....	285	4.5	Mathematical subjects.....	124	2.0
Agriculture.....	136	2.1	Chemistry.....	223	3.5
Zoology.....	16	0.2	Physics.....	93	1.5
Forestry.....	16	0.3	Geology.....	38	0.6
Other.....	117	1.8	Other.....	55	0.9
Engineering.....	1,000	15.7	Social sciences.....	679	10.7
Civil engineering.....	111	1.7	Psychology.....	95	1.5
Electrical engineering.....	173	2.7	Economics.....	174	2.7
Mechanical engineering.....	188	3.0	History.....	153	2.5
Other.....	528	8.3	Political science.....	61	1.0
Health professions.....	477	7.5	Sociology.....	55	0.9
Dentistry (D.D.S. and D.M.D.).....	93	1.5	Other.....	136	2.1
Medicine (M.D.'s).....	235	3.7	Business and commerce.....	1,171	18.4
Pharmacy.....	80	1.3	Education.....	976	15.4
Other.....	69	1.1	Humanities.....	380	6.0
			Law.....	406	6.4
			Religion.....	142	2.2
			Other fields.....	178	2.8
			Not reported.....	126	2.0

Source of tables 786 and 787: Dept. of Commerce, Bureau of the Census; *Current Population Reports*, Series P-20, No. 180.

NO. 788. SCIENCE DOCTORATES CONFERRED—TOTAL AND SELECTED SCIENCE FIELDS, BY CHARACTERISTICS: 1967

[Year ending June 30. For definition of median, see preface]

ITEM	All fields, total ¹	Physical sciences ²	Engi-neering	Life sciences ³	Psy-chology	Social sciences ⁴
Science doctorates conferred.....	20,295	4,306	2,581	3,116	1,293	2,418
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Male.....	88.0	95.1	99.6	86.7	79.5	88.0
Female.....	12.0	4.9	.4	13.3	20.4	11.1
U.S. citizens.....	83.2	81.6	73.9	78.2	93.7	81.1
Foreign citizens.....	14.3	16.2	24.4	20.4	4.3	15.4
Citizenship unknown.....	2.5	2.2	1.7	1.4	1.9	3.5
Median age at award.....years.....	31.7	28.7	30.4	30.9	30.5	32.4
Percent with baccalaureate in same field as doctorate.....	60.3	77.5	88.2	35.8	67.4	51.5
Percent with master's degree.....	79.4	58.9	88.4	75.5	75.9	82.8
Median time lapse from baccalaureate to doctorate:						
Total time.....years.....	8.1	6.0	7.2	7.3	6.9	8.5
Registered time.....years.....	5.3	5.2	5.2	5.4	5.3	5.2

¹ Includes arts, humanities, and education, not shown separately.

² Includes astronomy, physics, chemistry, earth sciences, and mathematics.

³ Includes agriculture, forestry, health sciences, and biological sciences.

⁴ Includes anthropology, archaeology, sociology, economics, political science, international relations, and history.

Source: National Science Foundation. Data from National Research Council; *Summary Report, 1967 Doctorate Recipients from United States Universities*.

No. 789. SCIENCE DOCTORATES CONFERRED AND ENROLLMENT FOR ADVANCED DEGREES: 1960 TO 1968

[Doctorates conferred, years ending June 30; enrollment, as of fall term]

FIELD OF SCIENCE	1960	1962	1963	1964	1965	1966	1967	1968
Science doctorates conferred..	6,397	7,619	8,427	9,471	10,701	11,654	13,190	14,705
Life sciences¹.....	1,730	1,976	2,076	2,363	2,679	2,869	3,116	3,681
Agricultural and related.....	843	387	373	445	480	485	517	581
Health sciences.....	69	109	107	142	145	175	176	195
Anatomy, cytology, embryology.....	33	75	87	105	139	132	160	154
Physiology and related fields.....	217	258	300	356	403	396	470	574
Botany and phytopathology.....	188	181	200	205	240	247	215	285
Biochemistry.....	269	286	300	371	391	446	495	573
Microbiology.....	184	199	210	194	273	286	330	357
Zoology and entomology.....	270	289	272	309	360	365	372	496
Psychology.....	773	857	892	1,013	955	1,133	1,293	1,452
Physical sciences.....	1,861	2,096	2,428	2,527	2,859	3,028	3,478	3,642
Physics and astronomy.....	531	710	818	864	1,046	1,049	1,295	1,422
Chemistry.....	1,077	1,137	1,288	1,351	1,439	1,580	1,764	1,782
Earth sciences.....	253	249	322	312	374	399	419	438
Engineering.....	792	1,215	1,357	1,662	2,068	2,283	2,581	2,833
Mathematics.....	291	388	484	590	684	766	828	970
Social sciences, selected¹.....	950	1,087	1,190	1,316	1,456	1,575	1,894	2,127
Sociology.....	162	184	211	201	239	258	332	362
Economics.....	352	418	450	526	561	622	684	737
Pol. science, pub. admin., int'l rel.....	238	278	290	336	391	401	495	571
Anthropology and archeology.....	77	88	91	93	92	109	158	153
School enrollment, all fields..	314,349	373,845	413,366	477,535	535,332	583,000	649,697	(NA)
Science fields.....	120,638	142,433	158,051	177,544	195,346	207,049	224,468	
Agriculture and forestry.....	4,412	4,995	5,165	5,622	6,426	6,698	7,306	
Biological sciences, incl. general programs.....	15,303	18,968	21,723	25,165	28,323	30,309	32,648	
Mathematical subjects ²	11,770	14,121	15,974	18,226	21,014	23,150	25,066	
Physical sciences.....	25,707	28,591	30,959	34,061	36,506	37,950	40,447	
Engineering.....	36,636	43,850	48,917	54,318	57,516	58,338	62,633	
Psychology.....	10,677	11,344	12,627	13,733	15,551	16,709	19,064	
Social sciences.....	16,133	20,574	22,686	26,419	30,010	33,895	37,304	
Health fields.....	5,842	6,586	7,322	8,234	8,909	9,839	10,139	
All other fields.....	187,869	224,826	247,993	291,757	331,077	366,112	415,090	

NA Not available.

¹ Includes fields not shown separately. ² Beginning 1965, includes computer science.

Source: National Science Foundation. Data from National Research Council, Doctorate Record File; and Dept. of Health, Education, and Welfare, Office of Education; *Enrollment for Masters and Higher Degrees*.

No. 790. SCIENTISTS AND ENGINEERS ADMITTED AS IMMIGRANTS, BY OCCUPATION: 1962 TO 1968

[For years ending June 30. Includes professors and instructors in each field]

OCCUPATION	1962-1968, total	1962	1963	1964	1965	1966	1967	1968
Total.....	54,038	4,297	5,933	5,762	5,345	7,205	12,523	12,973
Engineers.....	37,174	2,940	4,014	3,725	3,446	4,915	8,821	9,313
Aeronautical.....	1,313	108	128	64	69	241	369	334
Chemical.....	2,313	164	194	197	163	325	668	602
Civil.....	3,994	346	459	422	399	489	840	1,039
Electrical.....	5,535	417	656	559	447	680	1,344	1,432
Industrial.....	1,347	92	142	145	132	169	292	375
Mechanical.....	5,006	316	398	419	372	557	1,344	1,580
Metallurgical and metallurgists.....	756	52	83	66	81	100	189	185
Mining.....	283	30	27	45	43	39	56	43
Sales.....	466	59	52	47	51	57	101	89
Other ¹	16,152	1,356	1,875	1,751	1,689	2,238	3,618	3,634
Natural scientists².....	14,421	1,165	1,688	1,754	1,597	1,949	3,158	3,110
Agricultural scientists ³	1,124	104	133	153	181	185	189	179
Biologists and medical scientists.....	1,490	87	136	162	173	227	377	328
Chemists.....	6,667	503	840	859	718	874	1,392	1,481
Geologists and geophysicists.....	798	104	87	98	114	98	123	174
Mathematicians ³	1,455	105	166	147	114	176	396	351
Physicists.....	2,335	218	262	274	232	315	540	494
Social scientists².....	2,443	192	231	283	302	341	544	550
Economists.....	1,217	95	120	136	174	164	263	265
Psychologists.....	731	73	83	98	78	97	143	159

¹ Includes persons who classified themselves as engineers but did not indicate their specialty. Also includes specialized classifications not shown separately. ² Includes occupations not shown separately.

³ Includes foresters and conservationists. ⁴ Includes statisticians and actuaries.

Source: National Science Foundation. Data from Dept. of Justice, Immigration and Naturalization Service.

No. 791. PATENTS AND TRADEMARKS: 1946 TO 1968

[Covers patents issued to citizens of United States and residents of foreign countries. For information on copy-rights, see table 750. See also *Historical Statistics, Colonial Times to 1957*, series W 66-75 and W 77-78]

ITEM	1946-50	1951-55	1956-60	1961-65	1960	1965	1966	1967	1968
Patent applications filed	400,342	379,053	410,389	463,193	84,475	100,421	93,482	93,011	98,737
Inventions.....	360,095	351,649	384,782	436,082	79,590	94,632	88,293	87,872	93,136
Designs.....	39,127	25,951	23,865	25,251	4,625	5,413	4,853	4,744	5,171
Botanical plants.....	398	467	584	628	131	105	104	103	95
Reissues.....	722	986	1,158	1,232	229	271	232	292	336
Patents issued	163,034	208,964	251,872	275,443	49,986	66,647	71,887	69,098	62,713
Inventions.....	144,076	192,651	237,469	259,971	47,170	62,857	68,406	65,652	59,102
Individuals.....	58,957	78,459	76,589	69,945	13,069	16,063	16,018	15,647	13,655
Corporations:									
United States.....	78,376	100,278	133,948	152,537	28,187	37,158	41,634	38,353	34,886
Foreign.....	4,669	10,537	21,043	30,992	4,670	8,096	9,222	9,895	9,172
U.S. Government.....	1,761	3,359	5,889	6,497	1,244	1,640	1,532	1,757	1,489
Designs.....	18,016	15,084	13,024	13,862	2,543	3,424	3,188	3,165	3,352
Botanical plants.....	334	441	567	576	116	120	114	85	72
Reissues.....	608	788	812	1,034	157	246	179	196	187
Defensive Publications.....	-	-	-	-	-	-	-	-	196
Certificates of trade-									
marks issued ¹	85,611	100,942	108,246	106,635	22,367	21,666	23,844	23,837	26,174
Trademarks.....	61,339	83,311	90,727	91,846	18,434	18,501	20,259	20,036	21,628
Trademark renewals.....	24,272	17,631	17,519	14,689	3,933	3,165	3,585	3,801	4,546

- Represents zero.

¹ New practice; patent applications published at request of applicant or owner and identified by application serial numbers. First Defensive Publication published in November 1968.

Source: Dept. of Commerce, Patent Office; unpublished data. Fiscal-year figures are published in the *Annual Report of the Commissioner of Patents*.

No. 792. ATOMIC ENERGY COMMISSION—LICENSES AND AGREEMENTS: 1955 TO 1968

ITEM	1955	1960	1964	1965	1966	1967	1968
Licenses in effect:							
Power reactors:							
Construction permits and authorizations.....	-	11	5	7	11	22	45
Licenses to operate and operating authoriza-tions (includes possession only).....	-	3	15	16	17	20	19
Research and test reactors:							
Construction permits.....	4	18	5	18	19	17	17
Licenses to operate (includes possession only).....	2	47	73	72	75	79	81
Critical experiment facilities:							
Construction permits.....	2	1	-	-	-	1	-
Licenses to operate (includes possession only).....	-	14	16	17	16	15	15
Production facilities:							
Construction permits.....	-	-	1	1	-	1	1
Licenses to operate (includes possession only).....	-	-	-	-	1	1	1
Operator licenses (includes senior) ²	3	563	1,554	1,480	1,535	1,645	1,686
Special nuclear material licenses ³	7	362	571	553	575	530	539
Source material licenses ³	1,763	1,153	467	440	427	412	373
Byproduct material (radioisotope) licenses ³	(X)	8,429	8,073	8,454	8,313	8,378	8,317
Reactor export licenses issued.....	-	3	7	4	3	6	-
Organizations with byproduct (radioisotope) li-censes⁴.....	3,016	5,940	5,871	6,153	5,998	6,009	5,919
Medical institutions and physicians.....	1,173	2,568	2,192	2,189	2,076	2,046	2,045
Industrial concerns.....	1,266	1,817	1,951	2,117	2,207	2,329	2,455
Colleges and universities.....	227	297	314	313	296	306	296
Federal and State laboratories.....	258	1,153	1,322	1,459	1,325	1,238	1,030
Foundations, institutes, and other.....	92	105	92	95	94	90	88
Access permits in effect.....	602	1,006	549	505	435	401	373
Effective agreements for foreign cooperation.....	22	54	55	58	62	63	65
Research (bilateral).....	19	27	22	16	18	17	16
Research and power (bilateral).....	3	13	14	16	15	14	14
Mutual defense.....	-	9	12	12	12	12	12
Trilateral safeguards ⁵	-	-	1	9	13	16	19
Other.....	-	5	6	5	4	4	4

- Represents zero. X Not applicable.

¹ Permits authorized construction of 11 research and test reactors in 1955, 13 in 1966, 11 in 1967, and 6 in 1968.

² Beginning 1963, each reactor licensee was required to have available a "senior" reactor operator.

³ Beginning 1962, State governments took over a part of materials licensing under agreements with AEC; figures exclude 6,400 licenses over which 17 States had control by end of 1968.

⁴ Beginning 1960, includes only parent organizations, which are issued single basic licenses. Subordinate organizations at various locations included for prior years.

⁵ Trilateral agreements involve the United States, the International Atomic Energy Agency (IAEA), and a third country and pertain to the application of the IAEA safeguards system to material and equipment supplied by the United States under bilateral agreements for cooperation in the civil uses of atomic energy.

Source: Atomic Energy Commission; *Semiannual Report*, *Annual Report*, and unpublished data.

No. 793. ATOMIC ENERGY COMMISSION—SELECTED DATA ON NUCLEAR REACTORS, URANIUM, RADIOISOTOPES, AND HEAVY WATER: 1960 TO 1968

[For years ending June 30, except as noted]

ITEM	1960	1964	1965	1966	1967	1968
NUCLEAR REACTORS						
Development costs.....mil. dol.	399	563	538	489	528	549
Civilian power reactors.....mil. dol.	100	99	117	120	141	167
Military reactors.....mil. dol.	187	139	116	92	105	124
Space propulsion.....mil. dol.	15	95	93	92	86	78
Merchant ship reactors.....mil. dol.	4	6	3	-	-	-
Auxiliary power sources.....mil. dol.	12	89	105	73	80	63
General.....mil. dol.	81	137	104	112	116	117
Electrical generation: ¹						
Capacity.....net electrical megawatts..	396	1,105	1,057	1,916	2,838	2,759
Gross output.....1,000 megawatt hours..	591	3,814	4,368	6,583	8,836	13,974
AEC procurement: URANIUM						
Quantity.....tons of U ₃ O ₈ ..	34,582	18,655	15,313	12,427	9,979	7,737
Domestic sources.....tons of U ₃ O ₈ ..	16,567	12,584	11,319	10,110	9,087	7,737
Canadian sources.....tons of U ₃ O ₈ ..	13,443	2,239	1,189	718	258	-
Overseas sources.....tons of U ₃ O ₈ ..	4,572	3,832	2,805	1,599	624	-
Cost.....mil. dol.	704	328	265	211	165	124
Domestic sources.....mil. dol.	298	202	182	163	146	124
Canadian sources.....mil. dol.	296	39	21	14	5	-
Overseas sources.....mil. dol.	110	87	62	34	14	-
Estimated ore reserves ²1,000 tons of contained U ₃ O ₈ ..	238	152	145	141	148	161
Rated ore milling capacity ²1,000 tons per day..	22	15	12	13	15	18
RADIOISOTOPES						
Sales by AEC.....\$1,000..	2,209	1,279	1,601	1,971	1,528	1,473
Exports (domestic) ¹\$1,000..	1,286	2,919	3,026	3,779	2,894	3,953
Imports ¹\$1,000..	1,394	2,222	2,818	2,104	2,977	3,241
HEAVY WATER						
Sales by AEC.....tons..	86	30	82	96	421	976
Value.....\$1,000..	4,867	1,558	4,067	4,767	19,882	4,822

- Represents zero. NA Not available. ¹ Calendar year data. ² As of December.

³ Source: Dept. of Commerce, Bureau of the Census; Prior to 1968, *FT 9523, U.S. Exports of Radioactive and Stable Isotopes* and *FT 9066, U.S. Imports of Radioactive Substances*; beginning 1968, *FT 110, U.S. Exports, Schedule B Commodity and Country* and *FT 156, U.S. Imports, General and Consumption, Schedule A Commodity and Country*; export figures include shipments made by AEC and by commercial firms.

Source: Atomic Energy Commission; *Annual Report*, and unpublished data, except as noted.

No. 794. EMPLOYMENT IN THE ATOMIC ENERGY FIELD, BY SEGMENT, 1965 AND 1968, AND BY OCCUPATION, 1968

[As of March. Based on an employment survey of the Atomic Energy Commission-owned, contractor-operated facilities and of atomic industrial establishments. Excludes persons in uranium mining, in non-AEC owned facilities of educational institutions, and in nuclear facilities construction]

SEGMENT	1965, total	1968					
		Total	Facilities		Selected occupation		
			Gov-ern-ment	In-dus-try	Engi-neers	Scien-tists	Tech-nicians
All activities.....	140,178	141,727	98,999	42,728	22,635	13,024	25,393
AEC laboratory and research facilities.....	45,841	52,384	52,384	(X)	8,441	8,684	11,258
Atomic energy defense production.....	40,841	25,788	25,568	220	2,472	1,022	3,011
Reactor and reactor components.....	16,923	16,477	1,019	15,458	4,432	827	2,833
Production of feed materials.....	7,316	5,347	4,070	377	463	380	437
Nuclear instrument manufacturing.....	4,979	3,455	(X)	3,455	496	110	678
Nuclear design and engineering.....	1,951	6,371	378	5,993	2,892	230	2,007
Private research laboratories.....	2,054	2,448	(X)	2,448	630	681	860
Uranium milling.....	2,079	2,044	(X)	2,044	61	64	82
Fuel element fabrication and recovery activities.....	1,658	4,359	1,430	2,929	330	166	488
Production of special materials for reactors.....	1,228	1,753	(X)	1,753	143	38	289
Particle accelerator manufacturing.....	933	832	(X)	832	121	32	237
Power reactor operation and maintenance.....	1,067	1,283	168	1,115	245	45	515
Processing and packaging radioisotopes.....	407	668	(X)	668	47	104	232
Industrial radiographic service.....	640	569	(X)	569	48	4	413
Radioactive waste disposal.....	67	61	(X)	61	14	5	21
Miscellaneous.....	12,194	17,888	13,082	4,806	1,801	632	2,032

X Not applicable.

Source: Atomic Energy Commission; *Annual Report*. Data from Dept. of Labor, Bureau of Labor Statistics.

No. 795. ATOMIC ENERGY COMMISSION—FINANCES AND EMPLOYMENT: 1955 TO 1968

[Money figures in millions of dollars. For years ending June 30]

ITEM	1955	1960	1964	1965	1966	1967	1968
Appropriations received	1,210	2,650	2,743	2,625	2,366	2,199	2,509
Operations.....	1,099	2,387	2,343	2,262	2,122	1,923	2,140
Plant and capital equipment.....	111	263	400	363	244	276	369
Plant investment, year end	6,487	7,345	8,578	8,871	9,048	9,062	9,127
Completed plant.....	5,858	7,018	8,170	8,470	8,748	8,820	8,827
Production plants.....	4,646	5,458	5,497	5,464	5,446	5,368	5,310
Research and development facilities.....	707	1,271	2,148	2,370	2,672	2,841	2,928
Other.....	505	289	525	636	629	611	591
Construction in progress.....	629	327	409	401	300	243	300
Cost of operations (incl. depreciation)	1,290	2,619	2,739	2,570	2,440	2,447	2,507
Procurement of raw materials.....	194	717	326	261	206	162	125
Production of nuclear materials.....	588	731	636	571	544	521	507
Weapons development and fabrication.....	259	505	805	763	729	737	783
Development of nuclear reactors.....	115	399	563	538	489	528	549
Physical research.....	48	133	216	237	265	292	310
Biology and medicine research.....	29	49	77	85	91	95	99
Community operations (net).....	10	7	5	4	3	2	1
Administrative expenses.....	34	51	73	80	84	90	97
Miscellaneous expenses and income (net).....	13	27	38	31	29	20	36
Employment	112,618	122,718	136,620	133,912	128,206	130,101	129,959
Federal Government.....	6,076	6,907	7,268	7,329	7,443	7,506	7,665
Contractor operating.....	82,936	104,612	117,257	114,783	112,221	113,619	111,846
Contractor construction and design.....	23,606	11,199	12,095	11,800	8,542	8,976	10,449

Source: Atomic Energy Commission; *Financial Report*.

No. 796. FEDERAL SPACE PROGRAM—EXPENDITURES, BY AGENCY: 1960 TO 1969

[In millions of dollars. For years ending June 30]

AGENCY	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969 est.
Total	888	1,468	2,387	4,079	5,930	6,886	7,719	7,237	6,667	6,343
National Aero. and Space Admin ¹	329	694	1,226	2,517	4,131	5,035	5,858	5,337	4,595	4,098
Department of Defense.....	518	710	1,029	1,368	1,564	1,592	1,637	1,673	1,890	2,095
Atomic Energy Commission.....	41	64	130	181	220	232	188	184	146	117
Department of Commerce.....	-	-	1	12	12	24	28	39	29	27
Department of the Interior.....	-	-	-	-	-	-	4	3	2	2
Department of Agriculture.....	-	-	-	-	-	-	-	-	1	1
National Science Foundation.....	-	-	1	1	3	3	3	2	3	3

- Represents zero. ¹ Excludes amounts for aircraft technology.Source: 1960-1965, Report to the Congress from the President of the United States: *United States Aeronautics and Space Activities, 1966*; thereafter, Executive Office of the President, Bureau of the Budget; *The Budget of the United States Government, 1970*.

No. 797. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION—EXPENDITURES FOR RESEARCH AND DEVELOPMENT: 1965 TO 1969

[In millions of dollars. For years ending June 30]

PROGRAM	PERFORMANCE					FACILITIES				
	1965	1966	1967	1968	1969 est.	1965	1966	1967	1968	1969 est.
Total	4,562	5,361	5,137	4,599	4,180	531	572	289	127	70
Manned space flight.....	3,138	3,819	3,477	3,028	2,731	401	392	172	69	26
Space applications.....	87	112	122	116	127	2	2	(Z)	-	-
Space sciences.....	639	643	660	576	464	23	22	14	8	6
Space technology.....	431	396	408	389	365	53	40	33	21	15
Aircraft technology.....	58	71	87	125	141	-	4	2	4	11
Supporting operations.....	210	321	384	365	352	51	114	68	25	12

- Represents zero. Z Less than \$500,000.

Source: Executive Office of the President, Bureau of the Budget; unpublished data.

No. 798. SPACECRAFT LAUNCHINGS: 1957 TO 1968

[Criterion of success is attainment of earth orbit or earth escape, respectively]

YEAR	UNITED STATES				U.S.S.R. successful launch- ings	YEAR	UNITED STATES				U.S.S.R. successful launch- ings
	Earth orbit		Earth escape				Earth orbit		Earth escape		
	Suc- cess	Fail- ure	Suc- cess	Fail- ure			Suc- cess	Fail- ure	Suc- cess	Fail- ure	
Total..	575	100	31	12	358	1962.....	54	12	4	1	21
1957.....	-	1	-	-	2	1963.....	60	11	-	-	18
1958.....	5	8	-	4	1	1964.....	69	8	4	-	38
1959.....	9	9	1	2	3	1965.....	94	8	3	-	73
1960.....	16	12	1	2	3	1966.....	95	12	5	1	51
1961.....	35	12	-	2	7	1967.....	77	4	10	-	67
				12		1968.....	61	3	3	-	74

- Represents zero. ¹ Attained earth orbit and included in earth orbit success totals.Source: Report to the Congress from the President of the United States: *U.S. Aeronautical and Space Activities, 1968*.

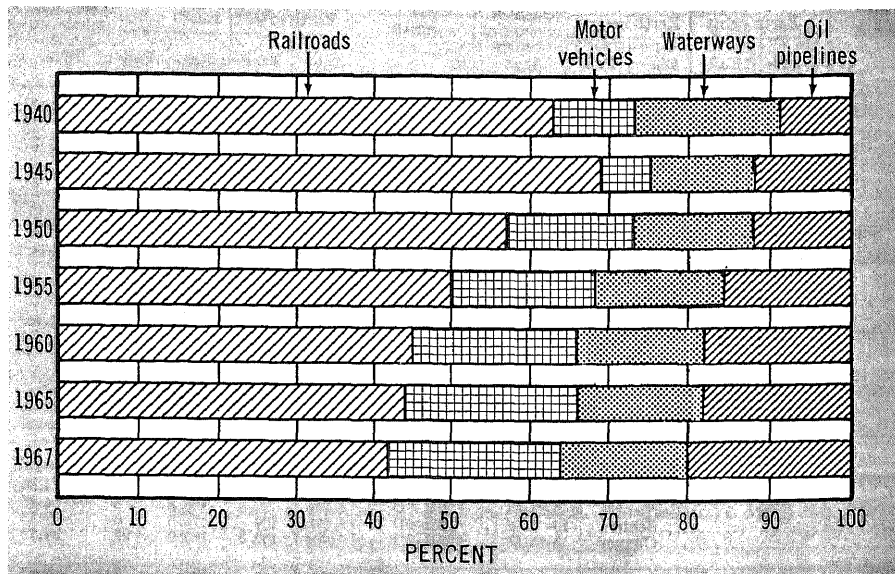
No. 799. ORBITAL MANNED SPACECRAFT: 1961 THROUGH MAY 1969

COUNTRY, VEHICLE, AND ASTRONAUT	Launching date	PAYLOAD		EARTH ORBITS			Life-time (hr.: min.)
		Dimensions ¹ (ft.)	Liftoff weight (lb.)	Perigee (statute miles)	Apogee (statute miles)	Revolutions ²	
UNITED STATES							
Mercury Atlas: ³							
VI..... Glenn.....	2-20-62	⁴ 26H-6D	⁵ 4,265	100	162.2	3	4:55
VII..... Carpenter.....	5-24-62	⁴ 26H-6D	⁵ 4,244	99.9	166.8	3	4:56
VIII..... Schirra.....	10-3-62	⁴ 26H-6D	⁵ 4,325	100	175.8	6	9:13
IX..... Cooper.....	5-15-63	⁴ 26H-6D	⁵ 4,000	100.3	165.9	22	34:19
Gemini: ⁶							
III..... Grissom and Young.....	3-23-65	19H-10D	7,136	100	139	3	4:52
IV..... McDivitt and White.....	6-3-65	19H-10D	7,879	100	184	62	97:56
V..... Cooper and Conrad.....	8-21-65	19H-10D	7,879	100	207	120	190:55
VI..... Schirra and Stafford.....	12-15-65	19H-10D	7,817	100	193	16	25:51
VII..... Borman and Lovell.....	12-4-66	19H-10D	8,076	100	204	206	330:35
VIII..... Armstrong and Scott.....	3-16-66	19H-10D	8,351	99	186	6.6	10:41
IX..... Cernan and Stafford.....	6-3-66	19H-10D	8,100	100	194	45	72:21
X..... Young and Collins.....	7-18-66	19H-10D	8,295	100	476	43	70:46
XI..... Conrad and Gordon.....	9-12-66	19H-10D	8,374	99	853	44	71:17
XII..... Lovell and Aldrin.....	11-11-66	19H-10D	8,296	100	187	59	94:34
Apollo: ⁷							
VII Schirra, Eisele, and Cunningham.....	10-11-68	⁴ 82H-21.7D	45,374	104	282	163	260:08
VIII..... Borman, Lovell, and Anders.....	12-21-68	⁴ 82H-21.7D	96,260	119	119	⁸ 2	147:00
IX..... McDivitt, Scott, Schweickart.....	3-3-69	⁴ 82H-21.7D	103,985	112	312	151	241:00
X..... Stafford, Young, and Cernan.....	5-18-69	⁴ 82H-21.7D	107,230	115	118	⁸ 2	192:03
U.S.S.R.							
Vostok (East):							
I..... Gagarin.....	4-12-61	20H	10,418	108.8	187.7	1	1:48
II..... Titov.....	8-6-61	20H-12-14D	10,430	110.3	115.3	17.5	25:18
III..... Nikolayev.....	8-11-62	(NA)	10,400	107.4	137.2	64+	94:35
IV..... Popovich.....	8-12-62	(NA)	10,400	111	158	48+	70:57
V..... Bykovsky.....	6-14-63	(NA)	10,360	99	120	81	119:06
VI..... Tereshkova.....	6-16-63	(NA)	10,360	108	135	48	70:20
Voskhod (Sunrise):							
I..... Komarov, Yegorov, and Feoktistov.....	10-12-64	(NA)	16,000	111	254	16	24:17
II..... Belyayev and Leonov.....	3-18-65	(NA)	(NA)	107.2	306.9	17	27:02
Soyuz (Union):							
I..... Komarov ¹⁰	4-23-67	(NA)	(NA)	122.6	137.9	18	26:45
III..... Beregovoy.....	10-26-68	(NA)	(NA)	(NA)	(NA)	61	94:51
IV..... Shatalov.....	1-14-69	(NA)	(NA)	(NA)	(NA)	48	71:14
V..... Volynov, Yeliseyev, Krunov.....	1-15-69	(NA)	(NA)	(NA)	(NA)	49	72:46

NA Not available. ¹ H=height; D=diameter.² A revolution is the distance a spacecraft must travel to return to a specified line of Earth longitude.³ Vehicle lift-off weight, 260,000 lb.; dimensions, 93H-16D.⁴ Dimensions and weight cover command module and accessory equipment, including ejection tower; for Apollo series, service and lunar excursion modules also included.⁵ Recovery weight (in lbs.): 2,400, 2,480, 2,440, and 2,460, respectively.⁶ Vehicle lift-off weight, 340,000 lb.; dimensions, 109H-10D; payload recovery weight, 4,700 lb.⁷ Vehicle lift-off weight, 6,500,000 lb.; maximum dimensions, 363H-33D; payload recovery weight, 11,700 lb.⁸ 2 earth and 10 lunar orbits, 70 statute miles above the moon.⁹ 2 earth orbits plus 30.8 lunar orbits by the command and lunar excursion modules; time in lunar orbit, 61 hours, 41 minutes. For the command module, the low and high points in lunar orbit were 68.6 and 196.1 statute miles, respectively; for the lunar excursion module, 9.7 and 219.8 miles.¹⁰ Cosmonaut was killed when spacecraft crashed when landing.Source: National Aeronautics and Space Administration; *Space Activities Summary*, various dates. (For U.S.S.R., based on unofficial data from U.S. and Soviet press and radio.)

FIG. XXXII. PERCENT DISTRIBUTION OF TON-MILES OF DOMESTIC INTERCITY FREIGHT TRAFFIC, BY TYPE OF TRANSPORTATION: 1940 TO 1967

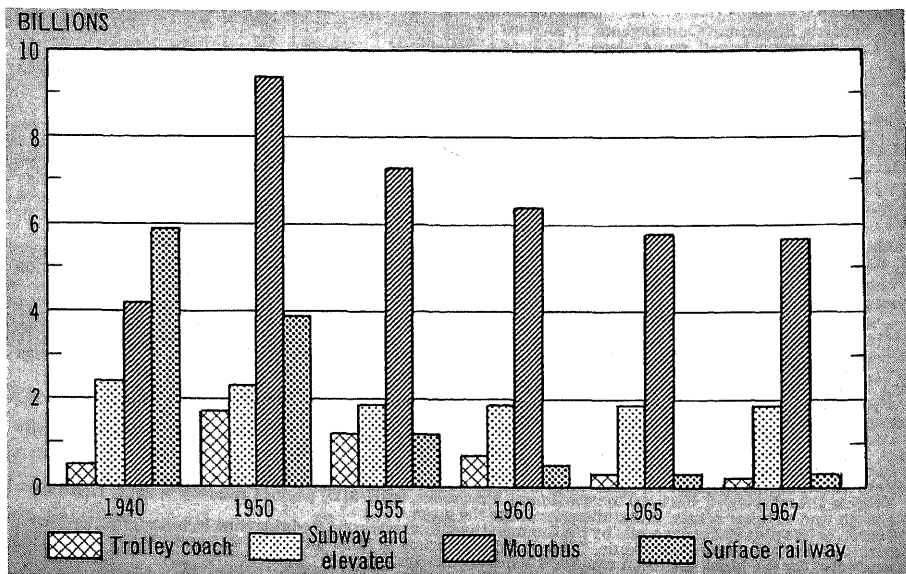
[Airways not shown separately—less than 1 percent. See table 801]



Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from Interstate Commerce Commission.

FIG. XXXIII. PASSENGERS CARRIED BY PUBLIC TRANSPORTATION: 1940 TO 1967

[See table 820]



Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from American Transit Association, Washington, D.C.

Section 21

Transportation—Land

This section presents statistics relating to the mileage, control, and financing of public roads and to the transportation of persons and goods by land. The modes of transport included are passenger car, truck, railroad, bus and streetcar, and pipeline.

The principal compiler of data on public roads and motor-vehicle registrations is the Department of Transportation. Its Bureau of Public Roads, Federal Highway Administration, has issued the annual *Highway Statistics* since 1945. *Highway Statistics, Summary to 1965*, presents public roads data carried back for 20 to 65 years. The principal sources of land transport data, other than for public roads and motor-vehicle registrations, are the Interstate Commerce Commission's *Annual Report* and its annual *Transport Statistics in the United States*, Part 1, which contains data on railroads. Other important publications of the Interstate Commerce Commission in the field of land transport include the annual *Statistics of Class I Motor Carriers* (issued as Part 7 of *Transport Statistics*); the annual *Statistics of Oil Pipe-Line Companies* (issued as Part 6 of *Transport Statistics*); and, for historical data on railroads, *Statistics of Railways in the United States*, published annually from 1887 through 1953. Information on accidents involving railroads appear in the annual *Accident Bulletin*, issued by the Federal Railroad Administration of the Department of Transportation.

Another basic source of data is the *Census of Transportation* conducted by the Bureau of the Census. Data from the 1963 census are included in *Commodity Transport Survey* and *Motor Carrier Survey* and data from both the 1963 and 1967 censuses in *National Travel Survey* and *Truck Inventory and Use Survey*. The *Census of Manufactures* and the *Annual Survey of Manufactures* of the Bureau of the Census contain statistics on the motor-vehicle and equipment industry. Data from those reports are included in section 28, Manufactures, of this volume.

Nongovernmental data can be found in the weekly and annual *Cars of Revenue Freight Loaded* and the annual *Yearbook of Railroad Facts*, both published by the Association of American Railroads, Washington, D.C.; *Bus Facts*, issued annually by the National Association of Motor Bus Owners, Washington; the *Transit Fact Book*, containing street railway and motorbus statistics, published annually by the American Transit Association, Washington; and *Transportation Facts and Trends*, issued by the Transportation Association of America, Washington. Useful annual handbooks in the field of motor-vehicle transport are *Automobile Facts and Figures* and *Motor Truck Facts*, both issued by the Automobile Manufacturers Association, Detroit; *American Trucking Trends*, issued by the American Trucking Association, Washington; and *Accident Facts*, issued by the National Safety Council, Chicago.

Rural and urban roads.—The terms "rural," "urban," and "municipal" are used in different ways in different tables in this section. Because of special problems and purposes, it is not possible to apply identical definitions and groupings to all types of data. Definitions are given in table headnotes where pertinent.

Highway systems.—The Federal-Aid Highway Act of 1916 provides for the sharing of highway construction costs between the States and the Federal Government with the initiative retained by each State for choosing projects and carrying them out. The planning and development of Federal-aid systems began in 1921. Federal funds share with State funds in costs of engineering, construction, and right-of-way acquisition on the designated systems while other charges, such as maintenance and policing, are borne entirely by the States and local agencies.

The Federal-aid primary system connects all of the principal cities, county seats, ports, manufacturing areas, and other traffic generating areas. In general, these are

the same as the State trunklines. The Federal-aid secondary system consists of important feeder roads linking the farms, factories, distribution outlets, and smaller communities with the primary system.

Motor carriers.—Prior to 1950, class I for-hire motor carriers were classified by the Interstate Commerce Commission as those with \$100,000 or more of gross annual operating revenue. Beginning 1950, the class I minimum became \$200,000. Beginning 1957, the class I minimum for motor carriers of property was increased to \$1,000,000; however, the minimum for class I motor carriers of passengers remained at \$200,000.

Railroads.—The total railroad mileage of the United States comprises companies reporting to the Interstate Commerce Commission, grouped as follows: (1) Regular interstate carriers (and their nonoperating subsidiaries); (2) switching and terminal railroads; and (3) private railroads (identified by the Commission as "circular" because they report on brief circulars, or as "unofficial" when their reports are received too late for tabulation). For the most part, circular and unofficial companies, and switching and terminal railroads, are not included in the statistics.

Nonoperating subsidiaries comprise proprietary companies, which are covered by the reports of operating carriers, and lessor companies, which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railroads are classified on the basis of operating revenues. Prior to 1956, the classification was as follows: Class I, those having more than \$1,000,000 gross annual operating revenue; class II, from \$100,000 to \$1,000,000; and class III, less than \$100,000. From 1956 to 1964, the following classification was in effect: Class I, \$3,000,000 or more; and class II, under \$3,000,000. Effective January 1965, the classification was changed to the following: Class I, \$5,000,000 or more; and class II, under \$5,000,000.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

NO. 800. OPERATING REVENUES, BY TYPE OF TRANSPORT: 1940 TO 1967

[Excludes Alaska and Hawaii, except as noted]

TRANSPORT AGENCY	1940	1945	1950	1955	1960	1965	1966	1967
REVENUES (mil. dol.)								
Pullman Company.....	60	148	104	95	56	36	35	26
Electric railways.....	53	87	79	60	23	13	14	12
Railway Express ¹	120	284	223	241	248	316	324	323
Railroads ^{2,3}	4,459	9,136	9,820	10,495	9,899	10,702	11,163	10,855
Waterlines ⁴	113	173	330	452	427	426	460	426
Pipelines (oil) ⁵	226	304	442	678	770	904	941	993
Domestic scheduled air carriers ⁶	77	215	558	1,215	2,129	3,608	4,070	4,887
Motor carriers of property ⁷	898	1,840	3,737	5,535	7,214	10,069	10,862	11,308
Motor carriers of passengers ⁷	176	652	539	552	667	885	901	945
INDEX (1957-59=100)								
Railroads ²	43	88	95	101	96	103	108	105
Pipelines (oil) ⁵	31	41	60	92	104	122	127	135
Domestic scheduled air carriers ⁶	4	12	32	70	22	207	234	280
Motor carriers of property ⁷	14	28	58	85	111	155	168	174
Motor carriers of passengers ⁷	29	107	88	91	109	145	148	155

¹ After deducting payments to others for express privileges.

² Includes line-haul and switching and terminal companies.

³ Beginning 1960, includes Alaska and Hawaii.

⁴ Includes only revenues from domestic traffic of carriers under jurisdiction of Interstate Commerce Commission.

⁵ Beginning 1960, includes 1 pipeline operating in Alaska.

⁶ Source: Dept. of Transportation, Federal Aviation Administration; *FAA Statistical Handbook of Aviation*.

Beginning 1955, includes Alaska and Hawaii. Revenues for scheduled passenger cargo operations.

⁷ Excludes motor-carrier revenues of electric railways, included under electric railways.

Source: Interstate Commerce Commission; *Annual Report, Statistics of Class I, II, and III Motor Carriers, 1939-1956* (Statement No. 589), and *Transport Economics*, except as noted.

No. 801. VOLUME OF DOMESTIC INTERCITY FREIGHT TRAFFIC, BY TYPE OF TRANSPORT: 1940 TO 1967

[In millions of ton-miles, except percent. Airways, prior to 1959, and other types of transportation, prior to 1960, exclude Alaska and Hawaii, except as noted. A ton-mile is the movement of 1 ton (2,000 pounds) of freight for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue. See also *Historical Statistics, Colonial Times to 1957*, series Q 1-11]

YEAR	Total traffic, volume	RAILROADS ¹		MOTOR VEHICLES		INLAND WATERWAYS ²		OIL PIPELINES		AIRWAYS ³	
		Volume	Per cent of total	Volume	Per cent of total	Volume	Per cent of total	Volume	Per cent of total	Volume	Per cent of total
1940-----	651, 204	411, 813	63. 24	62, 043	9. 53	118, 057	18. 13	59, 277	9. 10	14	0. 002
1945-----	1, 072, 490	736, 184	68. 64	66, 948	6. 24	142, 737	13. 31	126, 530	11. 80	91	0. 008
1950-----	1, 094, 160	628, 463	57. 44	172, 860	15. 80	163, 344	14. 93	129, 175	11. 81	318	0. 029
1955-----	1, 298, 060	654, 573	50. 43	223, 254	17. 20	216, 508	16. 68	203, 244	15. 66	481	0. 037
1956-----	1, 376, 320	676, 974	49. 19	248, 846	18. 08	219, 978	15. 98	229, 959	16. 71	563	0. 041
1957-----	1, 354, 012	644, 746	47. 62	254, 174	18. 77	231, 792	17. 12	222, 728	16. 45	572	0. 042
1958-----	1, 231, 184	574, 756	46. 68	255, 544	20. 76	189, 016	15. 35	211, 289	17. 16	579	0. 047
1959-----	1, 302, 570	599, 347	46. 01	*278, 934	*21. 41	196, 559	15. 09	226, 991	17. 43	739	0. 057
1960-----	1, 329, 995	594, 855	44. 73	285, 483	21. 46	220, 253	16. 56	228, 626	17. 19	778	0. 058
1961-----	1, 325, 816	585, 558	44. 17	296, 485	22. 36	209, 706	15. 82	233, 172	17. 59	895	0. 068
1962-----	1, 387, 228	615, 720	44. 38	309, 407	22. 30	223, 089	16. 08	237, 723	17. 14	1, 289	0. 093
1963-----	1, 468, 733	643, 664	43. 82	336, 170	22. 89	234, 172	15. 94	253, 431	17. 26	1, 594	0. 088
1964-----	1, 555, 793	679, 171	43. 65	356, 298	22. 90	250, 165	16. 08	268, 655	17. 27	1, 296	0. 086
1965-----	1, 650, 997	721, 055	43. 67	359, 218	21. 76	262, 421	15. 89	306, 393	18. 56	1, 910	0. 116
1966-----	1, 758, 556	761, 944	43. 33	380, 917	21. 66	280, 527	15. 95	332, 916	18. 93	2, 282	0. 128
1967-----	1, 768, 181	742, 048	41. 97	388, 500	21. 97	274, 000	15. 50	361, 041	20. 42	2, 592	0. 146

¹ Includes electric railways, express, and mail.

² Includes Great Lakes. Includes Alaska for all years and Hawaii beginning 1959.

³ Domestic revenue service only. Includes express, mail, and excess baggage.

* Includes Alaska and Hawaii.

Source: Interstate Commerce Commission; *Annual Report*, Statement No. 6103, *Intercity Ton-Miles, 1939-1959*, April 1961 and *Transport Economics*, December 1967.

No. 802. VOLUME OF DOMESTIC INTERCITY PASSENGER TRAFFIC, BY TYPE OF TRANSPORT: 1950 TO 1967

[In millions of passenger-miles, except percent. Airways, prior to 1959, and other types of transportation, prior to 1960, exclude Alaska and Hawaii. A passenger-mile is the movement of 1 passenger for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue]

YEAR	Total traffic, volume	PRIVATE AUTOMOBILES		AIRWAYS ¹		COMMERCIAL MOTOR CARRIERS		RAILROADS ²		INLAND WATERWAYS ³	
		Volume	Per cent of total	Volume	Per cent of total	Volume	Per cent of total	Volume	Per cent of total	Volume	Per cent of total
1950-----	508, 472	438, 293	86. 20	10, 072	1. 98	26, 436	5. 20	32, 481	6. 39	1, 190	0. 23
1953-----	655, 338	575, 763	87. 86	17, 430	2. 66	28, 397	4. 33	32, 261	4. 92	1, 487	0. 23
1954-----	673, 404	597, 054	88. 66	19, 568	2. 91	25, 614	3. 80	29, 467	4. 38	1, 701	0. 25
1955-----	716, 062	637, 369	89. 01	22, 741	3. 18	25, 519	3. 56	28, 695	4. 01	1, 738	0. 24
1956-----	750, 861	669, 679	89. 19	25, 523	3. 40	25, 189	3. 35	28, 610	3. 81	1, 860	0. 25
1957-----	748, 248	670, 484	89. 61	28, 128	3. 76	21, 455	2. 87	26, 251	3. 51	1, 930	0. 26
1958-----	759, 848	684, 892	90. 14	28, 522	3. 75	20, 756	2. 73	23, 605	3. 11	2, 073	0. 27
1959-----	764, 735	687, 406	89. 89	32, 566	4. 26	20, 364	2. 66	22, 373	2. 93	2, 026	0. 26
1960-----	783, 626	706, 079	90. 10	33, 958	4. 33	19, 327	2. 47	21, 574	2. 75	2, 688	0. 34
1961-----	791, 386	713, 636	90. 18	34, 599	4. 37	20, 279	2. 56	20, 527	2. 59	2, 345	0. 30
1962-----	818, 140	735, 931	89. 95	37, 491	4. 58	21, 801	2. 66	20, 181	2. 47	2, 736	0. 33
1963-----	852, 575	765, 877	89. 83	42, 765	5. 02	22, 538	2. 64	18, 632	2. 19	2, 763	0. 32
1964-----	895, 537	801, 796	89. 53	49, 185	5. 49	23, 344	2. 61	18, 374	2. 05	2, 838	0. 32
1965-----	920, 179	817, 663	88. 86	58, 083	6. 31	23, 775	2. 58	17, 557	1. 91	3, 101	0. 34
1966-----	971, 021	856, 358	88. 19	69, 356	7. 14	24, 592	2. 53	17, 298	1. 78	3, 447	0. 35
1967-----	1, 020, 647	889, 800	87. 18	87, 241	8. 55	24, 906	2. 44	15, 344	1. 50	3, 356	0. 33

¹ Includes domestic commercial revenue service and private pleasure and business flying.

² Includes electric railways.

³ Includes Great Lakes.

Source: Interstate Commerce Commission; *Annual Report*, and *Transport Economics*, December 1967.

NO. 803. LARGEST TRANSPORTATION COMPANIES—REVENUES, ASSETS, INCOME, AND INVESTED CAPITAL, BY RANK OF OPERATING REVENUES: 1960, 1965, AND 1968

[In millions of dollars, except as indicated. As of December 31 or calendar year, as applicable. Companies listed derive at least 50 percent of their operating revenues from carrier operations; excludes companies primarily engaged in freight forwarding, express shipping, or vehicle rental]

OPERATING REVENUE GROUP	1960		1965		1968			
	Operating revenues ¹	Assets ²	Operating revenues ¹	Assets ²	Operating revenues ¹	Assets ²	Net income	Invested capital ³
50 largest.....	11,795	30,684	15,702	35,606	20,844	43,705	1,127	21,248
Lowest ten.....	719	1,277	927	1,919	1,127	1,824	11	877
Second ten.....	1,111	1,905	1,258	1,733	1,758	2,319	59	889
Third ten.....	1,785	5,548	2,257	5,694	2,572	6,089	153	3,406
Fourth ten.....	2,718	7,589	3,690	8,331	4,831	10,063	377	5,811
Highest ten.....	5,461	14,366	7,569	17,930	10,556	23,410	527	10,285
Percent of total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Lowest ten.....	6.1	4.2	5.9	5.4	5.4	4.2	1.0	4.1
Second ten.....	9.4	6.2	8.0	4.9	8.4	5.3	5.2	4.1
Third ten.....	15.1	18.1	14.4	16.0	12.3	13.9	13.6	16.0
Fourth ten.....	23.0	24.7	23.5	23.4	23.2	23.0	33.4	27.3
Highest ten.....	46.3	46.8	48.2	50.4	50.6	53.6	46.7	48.4

¹ Gross receipts from transportation (including consolidated subsidiaries) for year. Trucking revenues from railroads included for those railroads that consolidate their trucking operations.

² Total assets employed in business, net of depreciation.

³ Capital stock, surplus, and retained earnings (i.e., net worth).

Source: Fortune, New York, N.Y.; adapted from *The Fortune Directory*. (Copyright, 1969 by Time Inc.)

NO. 804. EMPLOYMENT IN TRANSPORTATION, BY TYPE OF TRANSPORT: 1960 TO 1968

[Annual averages]

TYPE OF TRANSPORT	1960	1961	1962	1963	1964	1965	1966	1967	1968
NUMBER (1,000)									
Total.....	2,550	2,460	2,472	2,469	2,489	2,532	2,594	2,655	2,701
Railroad.....	885	817	796	772	756	735	718	692	663
Local and interurban passenger.....	284	277	271	269	267	269	271	279	279
Trucking and warehousing.....	856	845	885	904	919	964	1,005	1,022	1,056
Air.....	191	196	197	202	213	229	248	299	335
Pipeline.....	23	22	22	21	20	20	19	19	19
Water.....	310	304	302	302	231	230	240	243	247
Other.....					83	85	93	101	102
PERCENT									
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Railroad.....	34.7	33.2	32.2	31.3	30.4	29.0	27.7	26.0	24.6
Local and interurban passenger.....	11.2	11.3	11.0	10.9	10.7	10.6	10.4	10.5	10.3
Trucking and warehousing.....	33.6	34.4	35.8	36.6	36.9	38.1	38.7	38.5	39.1
Air.....	7.5	8.0	8.0	8.2	8.6	9.0	9.6	11.3	12.4
Pipeline.....	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7
Water.....	12.2	12.3	12.2	12.2	9.3	9.1	9.3	9.2	9.1
Other.....					3.3	3.4	3.6	3.8	3.8

Source: Dept. of Labor, Bureau of Labor Statistics; *Employment and Earnings Statistics for the United States, 1909-58* (Bulletin No. 1312-6), and *Employment and Earnings and Monthly Report on the Labor Force*.

NO. 805. RURAL AND MUNICIPAL HIGHWAY MILEAGE, BY GOVERNMENTAL CONTROL: 1930 TO 1967

[In thousands. As of December 31. Prior to 1960, excludes Alaska and Hawaii. Municipal roads are those within incorporated places, densely populated New England towns, and certain of the more populous unincorporated areas. All other roads are classed as rural. See *Historical Statistics, Colonial Times to 1967*, series Q 246, and, for similar but not exactly comparable data, series Q 247 and Q 251]

MILEAGE AND CONTROL	1930	1940	1950	1955	1960	1964	1965	1966	1967
Total mileage	(NA)	(NA)	3,313	3,418	3,546	3,644	3,690	3,698	3,705
Rural mileage.....	3,009	2,990	2,990	3,045	3,116	3,153	3,183	3,188	3,184
Under State control.....	324	524	581	619	659	682	687	695	699
Under local control.....	2,685	2,466	{ 2,336	2,333	2,345	2,344	2,346	2,333	2,321
Under Federal control.....									
			73	93	112	127	150	160	164
Municipal mileage.....	(NA)	(NA)	323	373	430	491	507	510	521
Under State control.....	(NA)	(NA)	27	36	42	50	62	66	68
Under local control.....	(NA)	(NA)	287	331	380	429	442	444	453

NA Not available.

Source: Dept. of Transportation, Federal Highway Administration; annual report, *Highway Statistics*.

NO. 806. HIGHWAY MILEAGE OF RURAL ROADS: 1930 TO 1967

[In thousands. As of December 31. Prior to 1960, excludes Alaska and Hawaii. For definition of rural roads, see headnote, table 805. See *Historical Statistics, Colonial Times to 1967*, series Q 247-250, for similar but not exactly comparable data]

TYPE AND CONTROL	1930	1940	1950	1955	1960	1964	1965	1966	1967
All rural roads	3,009	2,990	2,990	3,045	3,116	3,153	3,183	3,188	3,184
Primary State highways.....	324	329	363	387	403	411	414	418	424
Secondary State highways.....		81	88	91	105	112	112	114	112
County roads under State control.....		114	122	131	136	136	137	138	138
County and local roads ¹	2,685	2,466	2,417	2,436	2,472	2,494	2,520	2,518	2,510
Surfaced rural roads	694	1,340	1,679	1,942	2,165	2,272	2,302	2,321	2,336
Primary State highways.....	227	302	351	381	399	406	410	414	420
Secondary State highways.....		65	73	84	100	108	108	110	108
County roads under State control.....		55	83	103	111	116	118	120	120
County and local roads ¹	467	918	1,172	1,374	1,555	1,642	1,666	1,677	1,688
Nonsurfaced rural roads ²	2,315	1,650	1,311	1,103	951	881	881	867	848
Primary State highways.....	97	27	12	6	4	5	4	4	4
Secondary State highways.....		16	15	7	5	4	4	4	4
County roads under State control.....		59	39	28	25	20	19	18	18
County and local roads ^{1 2}	2,218	1,548	1,245	1,062	917	852	854	841	822

- Represents zero. ¹ Includes mileage in national and State parks, forests, reservations, etc., not included as part of State or local systems. ² Includes mileage not classified by type of surface.

Source: Dept. of Transportation, Federal Highway Administration; annual report, *Highway Statistics*.

NO. 807. HIGHWAY CONSTRUCTION—CONTRACTS AWARDED: 1947 TO 1968

[In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. Covers federally and State owned highways only; includes force-account construction authorized to start]

OWNERSHIP AND SOURCE OF FUNDS	1947	1950	1955	1960	1964	1965	1966	1967	1968
Total	917	1,528	2,619	4,030	4,868	4,935	5,459	5,522	5,305
Federally owned highways.....	25	36	59	129	123	135	127	78	84
State owned highways.....	892	1,492	2,560	3,901	4,745	4,800	5,331	5,444	5,220
Federally aided projects:									
Total value.....	635	798	1,256	3,097	4,055	3,896	4,172	4,112	3,711
Federal funds.....	329	415	667	2,218	3,084	2,976	3,130	3,077	2,766
Independent State projects:									
Total value.....	257	694	1,304	804	690	904	1,159	1,332	1,510
Toll facilities.....	(NA)	228	695	165	82	49	135	213	63

NA Not available.

Source: Dept. of Commerce, Bureau of the Census. In Dept. of Commerce, Business and Defense Services Administration; *Construction Review*.

No. 808. MUNICIPAL AND RURAL HIGHWAY MILEAGE—STATES: 1967

[As of December 31. For definition of municipal and rural roads, see headnote, table 805. Compiled for latest available year from reports of State authorities and planning survey data]

STATE	Total municipal and rural	Municipal	RURAL					
			Total	Type		Governmental control		
				Surfaced	Nonsurfaced	State ¹	Local	Federal ²
United States....	3,704,914	521,203	3,183,711	2,336,433	847,278	3,698,704	2,320,753	164,254
Alabama.....	77,850	11,435	66,415	58,746	7,669	10,861	46,554	—
Alaska.....	6,582	540	6,042	2,396	3,646	4,291	1,655	96
Arizona.....	40,843	5,592	35,251	14,561	20,690	5,132	17,389	12,730
Arkansas.....	70,211	8,247	70,064	47,517	23,447	12,885	56,192	1,887
California.....	102,809	41,131	121,678	76,335	45,343	13,482	70,563	37,633
Colorado.....	81,228	6,323	74,905	41,537	33,368	8,192	66,662	51
Connecticut.....	17,980	12,696	5,284	5,193	91	1,509	3,775	—
Delaware.....	4,826	1,380	3,446	3,436	10	3,440	—	—
Dist. of Columbia.....	1,083	1,083	(X)	(X)	(X)	(X)	(X)	(X)
Florida.....	82,898	10,526	63,372	40,126	23,246	16,304	47,068	—
Georgia.....	97,524	14,077	83,447	52,900	30,547	15,247	68,140	60
Hawaii.....	3,401	923	2,478	2,308	170	1,018	1,369	91
Idaho.....	53,484	2,793	50,691	27,157	23,534	4,682	26,809	19,200
Illinois.....	128,479	26,022	102,457	95,474	6,983	13,081	89,376	—
Indiana.....	90,878	12,613	78,265	74,141	4,124	10,112	68,153	—
Iowa.....	112,409	12,701	99,708	92,558	7,150	9,165	90,543	—
Kansas.....	133,232	9,905	123,327	85,170	38,157	9,944	113,383	—
Kentucky.....	70,225	4,954	65,271	51,043	14,228	23,712	41,295	264
Louisiana.....	51,759	10,513	41,246	36,326	4,920	14,208	27,038	—
Maine.....	21,267	2,320	18,947	17,149	1,798	10,964	7,819	164
Maryland.....	25,585	3,978	21,607	21,544	63	4,887	16,600	120
Massachusetts.....	27,544	20,093	7,451	6,603	848	1,088	6,334	29
Michigan.....	113,895	18,998	94,897	76,408	18,429	7,968	86,929	—
Minnesota.....	126,879	16,170	110,709	98,113	12,596	11,509	97,386	1,814
Mississippi.....	65,525	6,246	59,279	56,415	2,864	9,788	49,252	239
Missouri.....	114,285	14,665	99,620	91,717	7,903	29,993	68,982	645
Montana.....	75,747	2,180	73,567	37,556	36,011	11,606	51,310	10,651
Nebraska.....	103,374	6,213	97,161	64,319	32,842	9,390	87,307	464
Nevada.....	46,798	1,743	45,055	13,189	31,866	6,232	38,822	1
New Hampshire.....	14,613	4,672	9,941	7,736	2,205	3,037	6,827	77
New Jersey.....	33,183	16,116	17,067	14,791	2,276	1,778	15,291	—
New Mexico.....	66,350	3,957	62,393	16,121	46,272	11,546	45,642	5,205
New York.....	102,292	16,896	85,396	76,223	9,173	13,975	71,411	10
North Carolina.....	84,219	12,955	71,264	63,155	8,109	69,811	—	1,453
North Dakota.....	107,163	3,016	104,147	63,762	40,385	6,402	97,194	551
Ohio.....	108,049	22,952	85,097	83,370	1,727	16,596	68,501	—
Oklahoma.....	106,955	12,921	94,034	64,095	29,939	11,454	82,580	—
Oregon.....	88,329	5,843	82,486	49,446	33,040	8,829	34,776	38,881
Pennsylvania.....	113,166	23,053	90,113	71,176	18,937	43,768	46,128	217
Rhode Island.....	4,883	3,896	987	924	63	499	488	—
South Carolina.....	58,766	6,181	52,585	32,097	20,488	29,904	22,681	—
South Dakota.....	83,941	2,890	81,051	54,751	26,300	8,594	70,797	1,060
Tennessee.....	77,182	9,015	68,167	66,323	1,844	8,266	58,882	1,010
Texas.....	237,769	40,775	196,994	131,231	65,763	59,397	137,597	—
Utah.....	38,684	4,279	34,405	17,505	16,900	5,197	20,350	8,858
Vermont.....	14,109	932	13,177	11,207	1,970	2,325	10,764	88
Virginia.....	59,781	7,953	51,828	50,621	1,207	49,257	765	1,805
Washington.....	72,424	9,578	62,846	51,027	11,819	10,908	39,508	12,370
West Virginia.....	35,700	3,552	32,148	22,732	9,416	31,256	—	892
Wisconsin.....	101,295	13,491	87,804	82,125	5,679	10,647	77,095	62
Wyoming.....	78,461	1,220	77,241	16,018	61,223	5,564	66,710	4,997

- Represents zero. X Not applicable.

¹ Includes 24,772 miles of State park, forest, institutional, and other roads, rural and municipal, that are not part of State or local highway systems. Also includes 4,023 miles of toll roads, bridges, tunnels, etc.

² Comprises mileage of roads not forming a part of State or local highway systems.

³ Includes mileage of county roads under State control in Alabama (10 counties), Delaware, Nevada, North Carolina, Virginia (all but 2 counties), and West Virginia; farm-to-market system in Louisiana; and the State-aid system in Maine.

Source: Dept. of Transportation, Federal Highway Administration; annual report, *Highway Statistics, 1967*.

No. 809. MILEAGE AND COST OF DESIGNATED FEDERAL-AID HIGHWAY SYSTEMS: 1917 TO 1968

[Prior to 1960, excludes Alaska; includes Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series Q 261-264]

PERIOD OR YEAR	MILES OF HIGHWAY (1,000)		COST ³ (mil. dol.)			YEAR	MILES OF HIGHWAY (1,000)		COST ³ (mil. dol.)		
	Total exist- ent ¹	Com- pleted during year ²	Total	Federal funds	State funds		Total exist- ent ¹	Com- pleted during year ²	Total	Federal funds	State funds
1917-1921.....	(NA)	13	222	95	127	1960.....	867	21	3,264	2,273	992
1925.....	179	11	221	100	121	1962.....	887	21	3,423	2,437	986
1930.....	193	10	237	100	137	1963.....	892	20	3,790	2,767	1,023
1935.....	214	13	242	218	24	1964.....	901	19	4,560	3,385	1,175
1940.....	234	12	269	150	119	1965.....	909	17	4,569	3,430	1,139
1945.....	233	3	101	76	25	1966.....	911	16	5,362	4,151	1,211
1950.....	641	20	753	390	364	1967.....	911	14	5,178	4,039	1,139
1955.....	742	23	1,287	666	621	1968.....	(NA)	12	4,132	3,167	965

NA Not available.

¹ Through 1945, total existing mileage of Federal-aid primary system; beginning 1950, includes secondary system. Through 1955, data as of June 30; thereafter, as of Dec. 31.

² Comprises construction and reconstruction mileage.

³ Represents actual expenditures of funds on calendar-year basis. Beginning 1935, includes money spent on public works and defense highways. Beginning 1940, includes secondary highways.

Source: Dept. of Transportation, Federal Highway Administration; annual reports, *Highway Statistics* and *Highway Progress*, 1968, and releases.

No. 810. FEDERAL-AID PAYMENTS TO STATE AND LOCAL GOVERNMENTS FOR HIGHWAY CONSTRUCTION—STATES AND PUERTO RICO: 1960 TO 1968

[In millions of dollars. For years ending June 30]

STATE OR OTHER AREA	1960	1965	1967	1968	STATE OR OTHER AREA	1960	1965	1967	1968
Total.....	2,942	4,018	4,022	4,262	Mont.....	31	59	53	48
U.S.....	2,935	4,011	4,015	4,252	Nebr.....	27	37	45	31
Ala.....	51	91	94	75	Nev.....	10	42	44	27
Alaska.....	16	53	52	37	N.H.....	20	16	16	22
Ariz.....	31	66	81	68	N.J.....	53	65	104	115
Ark.....	32	39	51	42	N. Mex.....	26	48	56	45
Calif.....	172	324	338	429	N.Y.....	217	198	179	213
Colo.....	36	61	49	57	N.C.....	59	51	61	64
Conn.....	29	48	47	71	N. Dak.....	33	31	25	29
Del.....	8	17	15	18	Ohio.....	159	186	199	213
D.C.....	16	26	23	37	Okla.....	33	58	55	49
Fla.....	75	88	78	81	Oreg.....	54	77	55	63
Ga.....	61	81	112	90	Pa.....	117	142	189	224
Hawaii.....	4	10	23	24	R.I.....	13	25	14	30
Idaho.....	26	40	28	30	S.C.....	47	35	39	42
Ill.....	200	209	146	192	S. Dak.....	26	45	33	37
Ind.....	74	93	95	120	Tenn.....	67	108	95	96
Iowa.....	68	53	56	53	Tex.....	198	216	205	227
Kans.....	51	51	39	37	Utah.....	34	61	52	52
Ky.....	66	60	95	111	Vt.....	17	25	25	33
La.....	70	103	80	81	Va.....	53	163	123	124
Maine.....	20	24	22	21	Wash.....	44	75	92	97
Md.....	27	50	40	59	W. Va.....	47	56	72	76
Mass.....	67	78	83	75	Wis.....	61	54	51	58
Mich.....	96	133	161	146	Wyo.....	26	48	37	39
Minn.....	65	105	97	120	Undist. to States, etc..	28	17	39	3
Miss.....	36	58	66	41	P.R.....	7	7	7	10
Mo.....	76	114	88	83					

¹ Includes following amounts for 1967 and 1968 respectively, in millions of dollars: Total, 63, 129; Appalachian highways, 40, 87; control of outdoor advertising and junkyards, 2, 24; landscaping and scenic enhancement, 20, 14, and highway safety, 1, 4.

² Deduct.

Source: Treasury Dept.; *Annual Report of the Secretary*.

No. 811. DESIGNATED FEDERAL-AID HIGHWAY SYSTEMS, 1967, AND PROJECTS, 1968—STATES AND PUERTO RICO

[Money figures in millions of dollars. Systems as of December 31, and projects as of June 30. Projects comprise those financed from the Federal-aid primary, secondary, urban, and interstate funds. See text, pp. 537 and 538]

STATE OR OTHER AREA	SYSTEMS (miles), 1967				PROJECTS, 1968 ¹					
	Primary			Second- ary	Completed during fiscal year			Under construction		
	Total	National system of interstate highways			Miles	Total cost	Federal funds	Miles	Total cost	Federal funds
		Total	Open to traffic							
Total.....	268,185	240,970	25,642	643,063	13,325	4,488.6	3,483.7	21,137	12,678.8	9,801.3
United States.....	267,644	240,970	25,642	641,935	13,309	4,478.7	3,478.8	21,098	12,649.2	9,786.7
Alabama.....	6,612	881	453	21,634	283	76.9	59.1	514	286.0	228.8
Alaska.....	3,284	-	-	2,163	151	43.2	41.0	152	68.6	64.8
Arizona.....	3,473	1,167	732	4,111	253	67.1	55.5	281	101.7	91.3
Arkansas.....	4,114	519	325	14,185	306	57.1	44.8	468	124.0	87.1
California.....	9,780	2,165	1,351	14,011	376	343.0	274.2	521	1,090.2	886.9
Colorado.....	4,598	935	613	4,229	258	57.1	44.4	351	163.6	113.5
Connecticut.....	1,273	295	261	1,251	15	45.4	34.3	21	149.0	115.9
Delaware.....	664	41	20	1,475	21	14.9	11.0	45	66.1	52.9
Dist. of Columbia.....	168	30	11	126	7	10.5	6.9	6	147.0	125.2
Florida.....	5,492	1,157	666	15,091	191	99.4	74.3	254	174.8	131.7
Georgia.....	9,082	1,108	521	20,204	346	95.7	72.4	905	420.6	316.7
Hawaii.....	555	52	12	654	4	7.6	5.5	26	96.2	76.4
Idaho.....	3,325	608	392	5,694	200	29.4	23.7	397	99.9	83.3
Illinois.....	12,271	1,642	955	14,556	282	219.9	171.8	591	455.9	351.1
Indiana.....	6,020	1,115	647	17,580	236	136.1	108.0	328	330.3	256.7
Iowa.....	10,307	709	500	33,441	506	102.2	82.1	1,018	137.7	101.3
Kansas.....	7,818	801	634	24,345	589	51.7	34.4	920	119.9	82.7
Kentucky.....	4,606	739	398	15,188	189	102.8	89.4	271	248.5	197.8
Louisiana.....	3,408	673	279	8,853	102	94.6	78.0	338	485.8	394.0
Maine.....	1,973	312	276	2,511	88	33.9	26.7	90	38.0	24.4
Maryland.....	2,445	354	276	7,717	84	43.5	29.8	179	203.3	160.0
Massachusetts.....	2,380	451	342	2,299	50	73.3	55.6	86	308.0	241.5
Michigan.....	6,942	1,081	837	26,896	486	191.1	144.4	497	486.2	374.6
Minnesota.....	8,441	904	405	30,788	892	184.6	150.4	1,195	307.0	234.7
Mississippi.....	6,236	678	384	16,538	481	56.7	41.8	600	151.5	112.1
Missouri.....	8,939	1,120	782	23,159	154	205.5	165.6	477	280.4	207.8
Montana.....	6,258	1,186	561	5,758	249	59.2	47.1	341	138.7	111.7
Nebraska.....	5,926	478	334	17,853	390	37.5	23.2	477	68.2	49.8
Nevada.....	2,298	535	369	3,640	121	26.7	25.0	54	75.5	70.8
New Hampshire.....	1,253	215	160	1,745	54	22.1	16.2	30	38.2	28.8
New Jersey.....	2,219	381	168	2,237	21	66.5	51.0	143	574.3	414.3
New Mexico.....	4,034	998	623	5,904	140	42.3	37.4	213	78.5	66.7
New York.....	11,703	1,223	1,039	19,427	161	197.0	127.2	315	803.0	571.9
North Carolina.....	4,817	770	449	29,398	209	62.9	44.3	285	232.8	156.6
North Dakota.....	4,707	571	392	13,429	812	44.3	31.5	1,268	53.6	36.1
Ohio.....	8,337	1,530	1,078	21,423	142	216.7	178.8	429	566.2	436.8
Oklahoma.....	7,831	798	592	14,250	365	61.0	43.5	518	180.6	139.1
Oregon.....	4,065	734	649	8,231	100	45.6	34.7	91	148.1	127.3
Pennsylvania.....	8,517	1,581	1,015	13,588	83	90.1	70.6	496	888.0	685.3
Rhode Island.....	476	71	42	562	17	28.2	16.4	21	50.9	46.0
South Carolina.....	5,249	682	390	20,678	449	40.8	28.6	1,082	105.2	76.4
South Dakota.....	5,963	679	415	13,258	607	42.3	31.8	658	68.6	54.0
Tennessee.....	6,902	1,051	594	11,869	378	198.4	156.8	572	253.1	199.2
Texas.....	17,583	3,028	1,965	39,821	1,138	250.6	189.6	1,901	549.6	393.3
Utah.....	2,521	934	291	3,928	164	59.7	55.0	185	122.5	112.8
Vermont.....	1,577	320	145	1,891	64	39.1	31.9	78	66.5	54.8
Virginia.....	4,573	1,060	652	19,882	230	109.1	84.3	398	352.7	289.1
Washington.....	3,886	727	471	12,103	255	107.6	86.3	233	207.8	176.4
West Virginia.....	2,499	514	225	10,776	61	68.6	53.2	111	283.3	226.1
Wisconsin.....	6,366	458	387	19,162	323	79.4	55.0	390	139.3	92.8
Wyoming.....	3,928	909	567	2,423	215	39.6	33.2	275	65.3	56.4
Puerto Rico.....	541	-	-	1,128	16	9.9	4.9	39	29.6	14.6

¹ - Represents zero.

² Excludes highway planning and research work financed with 1½ percent Federal-aid highway funds available pursuant to 23 U.S.C. 307(c)(2). (Completed, \$81.2 million total cost, \$58.7 million Federal funds; underway, \$133.6 million total cost, \$141.8 million Federal funds.)

³ Full authorization 41,000 miles. The 30-mile difference between full authorization and miles reported includes routes for which final locations are not yet determined.

Source: Dept. of Transportation, Federal Highway Administration; annual report, *Supplement to Highways & Human Values*, 1968.

NO. 812. DISBURSEMENTS OF STATE HIGHWAY FUNDS—TOTAL 1950 TO 1967, AND BY PURPOSE, 1967, STATES

[In millions of dollars. Comprises disbursements, whether from current revenues or proceeds of loans, for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous purposes. Includes transactions by State toll authorities. Beginning 1965, excludes amounts allocated for collection and nonhighway purposes, and bonds redeemed by refunding. See also *Historical Statistics, Colonial Times to 1967*, series Q 273-278]

STATE	1950	1955	1960	1965	1966	Total	1967			
							For State-administered highways			For county and local roads and streets ³
							Capital outlay, roads and bridges ¹	Maintenance and traffic services ¹	Other ²	
United States ⁴	3,562	6,034	8,957	11,465	12,510	13,207	7,340	1,513	2,027	2,327
Alabama.....	49	87	174	228	227	232	114	25	31	62
Alaska.....	(NA)	(NA)	19	71	78	58	40	11	7	-
Arizona.....	20	33	72	106	151	150	99	10	14	27
Arkansas.....	46	55	95	119	135	143	78	18	19	28
California.....	268	558	786	1,110	1,200	1,236	707	66	137	326
Colorado.....	38	56	91	129	128	129	72	14	15	28
Connecticut.....	38	79	161	216	216	231	112	31	75	13
Delaware.....	32	26	36	87	88	81	43	11	25	2
Dist. of Columbia.....	11	24	48	42	42	62	(X)	(X)	(X)	62
Florida.....	93	152	316	316	348	371	247	38	67	19
Georgia.....	74	109	167	208	242	251	134	21	33	63
Hawaii.....	(NA)	(NA)	23	35	45	48	28	4	7	9
Idaho.....	19	27	44	66	58	55	28	8	6	13
Illinois.....	113	229	475	471	493	577	238	62	77	200
Indiana.....	69	200	241	286	302	334	161	51	39	83
Iowa.....	70	109	169	193	238	242	120	21	14	87
Kansas.....	50	110	109	134	134	128	61	26	22	19
Kentucky.....	67	102	138	223	273	330	212	39	65	14
Louisiana.....	71	115	204	240	265	286	145	36	48	57
Maine.....	24	65	62	80	84	81	39	20	20	2
Maryland.....	84	138	166	217	244	258	102	19	74	63
Massachusetts.....	98	203	237	284	281	293	123	37	109	24
Michigan.....	106	249	418	427	490	492	220	38	85	149
Minnesota.....	65	101	167	230	247	276	168	32	16	60
Mississippi.....	42	75	110	160	151	169	82	12	24	51
Missouri.....	53	105	165	241	242	232	146	42	25	19
Montana.....	22	30	54	86	88	75	57	7	6	5
Nebraska.....	36	59	95	97	119	105	47	11	11	36
Nevada.....	9	15	22	58	63	50	33	6	5	6
New Hampshire.....	14	30	50	51	57	58	30	13	13	2
New Jersey.....	188	303	221	291	318	388	211	44	113	20
New Mexico.....	26	39	64	101	104	85	56	15	9	5
New York.....	304	471	652	752	928	957	512	141	173	131
North Carolina.....	136	141	179	219	255	309	177	73	49	10
North Dakota.....	22	28	50	51	63	63	34	6	6	17
Ohio.....	147	383	523	661	733	724	370	52	131	171
Oklahoma.....	73	113	134	179	184	194	97	20	26	51
Oregon.....	50	79	113	185	181	166	83	19	21	43
Pennsylvania.....	279	350	423	667	693	798	473	128	145	52
Rhode Island.....	14	30	42	62	62	87	68	8	11	(Z)
South Carolina.....	46	57	109	114	120	131	82	26	14	9
South Dakota.....	20	34	67	68	71	71	43	8	8	12
Tennessee.....	79	108	187	238	260	240	129	18	20	73
Texas.....	178	282	493	513	535	633	475	73	47	38
Utah.....	15	23	49	89	89	80	55	11	9	5
Vermont.....	10	17	43	53	61	71	47	8	9	7
Virginia.....	76	112	211	353	368	371	242	51	60	18
Washington.....	78	127	171	235	272	301	177	20	41	54
West Virginia.....	51	64	110	169	184	185	137	23	25	-
Wisconsin.....	68	109	171	189	236	253	136	25	16	76
Wyoming.....	14	22	44	65	64	67	50	6	5	6

- Represents zero. NA Not available. X Not applicable. Z Less than \$500,000.

¹ Includes some administration, engineering, and miscellaneous disbursements. ² Comprises following disbursements, in millions of dollars: Administration and miscellaneous, 573; highway law enforcement, 491; bond interest, 425; and bond redemption, 538. ³ Expenditures on county roads under State control in Ala. (10 counties), Del., N.C., Va. (all except 2 counties), and W. Va. included with those for State-administered highways. ⁴ Prior to 1960, excludes Alaska and Hawaii.

Source: Dept. of Transportation, Federal Highway Administration; annual report, *Highway Statistics*.

No. 813. FEDERAL AND STATE MOTOR-FUEL TAX—STATES: 1940 to 1968

[Cents per gallon. Where 2 figures appear in a cell, the former is tax in effect at beginning of year, the latter is tax at end of year. See also *Historical Statistics, Colonial Times to 1957*, series Q 328-329]

STATE	1940	1950	1960	1965	1968 ¹	STATE	1940	1950	1960	1965	1968 ¹
Federal tax.....	1-1.5	1.5	4	4	4	Mississippi.....	6	6-7	4 7	4 7	4 5 7
State average ² ...	3.96	4.65	5.94	6.41	6.62	Missouri.....	2	2	3	5	5
Alabama.....	(6)	6	7	7	7	Montana.....	5	6	4 6	4 6	6.5
Alaska.....	(3)	(3)	5-7	8	8	Nebraska.....	5	6-5	7	7-7.5	7.5
Arizona.....	5	5	5	6-7	7	Nevada.....	4	4.5	6	6	6
Arkansas.....	6.5	6.5	6.5	4 6.5	4 7.5	New Hampshire.....	4	4	7	7	7
				7.5		New Jersey.....	3	3	5	6	6-7
California.....	3	4.5	4 6	7-8-7	5 7	New Mexico.....	5	7	6	6	7
Colorado.....	4	6	6	6-7	6	New York.....	4	4	4 6	4 6	4 6-7
Connecticut.....	3	4	6	6	7	North Carolina.....	6	7	7	7	7
Delaware.....	4	5	5	6-7	7	North Dakota.....	4	4	6	6	6
Dist. of Col.....	2	4	6	6	7	Ohio.....	4	4	7	7	7
Florida.....	7	7	7	7	7	Oklahoma.....	4	6.5	6.5	6.5	6.5
Georgia.....	6	7	6.5	6.5	6.5	Oregon.....	5	6	6	6	7
Hawaii.....	4	4	6.5	6.5	6.5	Pennsylvania.....	4	5	5	7	7
Idaho.....	5.1	6	6	6	6-7	Rhode Island.....	3	4	6-7	7	7-8
Illinois.....	3	3	5	5	6	South Carolina.....	6	6-7	7	7	7
Indiana.....	4	4	6	6	6	South Dakota.....	4	4	4 6	4 6	4 6
Iowa.....	3	4	4 6	4 6-7	4 7	Tennessee.....	7	7	7	4 7	4 7
Kansas.....	3	5	4.5	4.5	4.5	Texas.....	4	4	4 5	4 5	4 5
Kentucky.....	5	7	7 7	7 7	7 7	Utah.....	4	4	6	6	6
Louisiana.....	7	9	7	7	7	Vermont.....	4	5	4 6.5	4 6.5	4 6.5-8
Maine.....	4	6	7	7	7	Virginia.....	5	6	7 6-7	7 7	7 7
Maryland.....	4	5	6	7	7	Washington.....	5	6.5	6.5	7.5	9
Massachusetts.....	3	3	5.5	5.5-6.5	6.5	West Virginia.....	5	5	7	7	7
Michigan.....	3	3	6	6	6-7	Wisconsin.....	4	4	6	6	7
Minnesota.....	4-3	5	5	6	7	Wyoming.....	4	4	4 5	4 5	4 5 6

¹ In effect Dec. 31.

² Weighted average, based on net gallons taxed. Prior to 1960, excludes Alaska and Hawaii.

³ No tax.

⁴ Tax on diesel fuel, and usually other special fuels for highway vehicles, is higher than gasoline tax shown.

⁵ State tax rate on liquefied petroleum gas per gallon is 6 cents in California, 8 cents in Mississippi, and 5 cents in Wyoming.

⁶ State tax rate per gallon is 8 cents in Hawaii County and 5 cents in other counties.

⁷ Trucks or combinations with more than 2 axes pay motor-fuel tax rates of 9 cents per gallon in Kentucky and Virginia. (Prior to July 1960, the tax in Virginia was 8 cents.)

⁸ State tax rate is 6 cents per gallon. Since July 1966, all counties have had option of levying an additional 1 cent tax.

Source: Dept. of Transportation, Federal Highway Administration; annual report, *Highway Statistics*.

No. 814. PUBLIC HIGHWAY DEBT—LONG-TERM HIGHWAY OBLIGATIONS OF STATE AND LOCAL GOVERNMENTS: 1950 to 1969

[In millions of dollars. State data are for calendar years; local data are for varying fiscal years. Prior to 1960, excludes Alaska and Hawaii. Excludes duplicated and interunit obligations, except as noted. Municipal obligations include data for all municipalities and other political subdivisions urban in character. See *Historical Statistics, Colonial Times to 1957*, series Q 279, for State obligations outstanding]

ITEM	1950	1955	1960	1964	1965	1966	1967	1968 (prel.)	1969 est.
Total debt issued¹.....	652	1,174	1,206	1,097	1,070	1,680	1,522	1,669	1,846
State obligations.....	400	646	680	634	586	1,156	1,012	1,144	1,311
County and local rural obligations.....	90	205	190	156	109	158	160	165	170
Municipal obligations.....	162	323	336	307	315	366	350	360	365
Total debt redeemed².....	322	421	616	752	855	915	939	987	1,021
State obligations.....	143	191	300	381	459	519	540	585	617
County and local rural obligations.....	83	89	96	116	123	126	129	130	130
Municipal obligations.....	96	141	220	255	273	270	270	272	274
Total debt outstanding.....	4,436	9,658	13,166	15,114	15,316	16,080	16,663	17,345	18,170
State obligations.....	2,096	6,619	9,384	10,778	10,905	11,542	12,014	12,573	13,267
County and local rural obligations.....	872	1,027	1,280	1,317	1,363	1,394	1,425	1,460	1,500
Municipal obligations.....	1,468	2,012	2,502	3,019	3,048	3,144	3,224	3,312	3,403

¹ Excludes refunding issues.

² Excludes redemptions by refunding.

Source: Dept. of Transportation, Federal Highway Administration; releases.

No. 815. MOTOR-VEHICLE TRAVEL, BY TYPE OF VEHICLE: 1940 TO 1967

[In millions of vehicle-miles, except averages. Prior to 1960, excludes Alaska and Hawaii. Estimates based on automatic traffic recorder data. Urban travel includes all travel in municipalities and most travel in urbanized areas. All other travel is classed as rural. See also *Historical Statistics, Colonial Times to 1957*, series Q 321-327]

ITEM	1940	1950	1955	1960	1964	1965	1966	1967 est.
Total travel	302,188	458,246	603,434	718,845	846,500	887,812	930,497	965,132
TYPE OF VEHICLE								
Passenger vehicles.....	252,257	367,694	492,047	592,436	682,229	716,376	756,592	783,687
Rural.....	121,988	183,218	265,667	305,538	339,474	335,983	354,019	370,636
Urban.....	130,269	184,476	226,380	286,898	342,755	380,393	402,573	413,051
Passenger cars ¹	246,600	363,613	487,540	588,083	677,613	711,694	751,740	778,708
Rural.....	120,540	181,095	263,088	303,283	336,968	333,412	351,372	367,929
Urban.....	129,060	182,518	224,452	284,800	340,645	378,182	400,368	410,779
Buses.....	2,637	4,081	4,507	4,353	4,616	4,782	4,852	4,979
Rural.....	1,448	2,123	2,679	2,255	2,506	2,671	2,647	2,707
Urban.....	1,209	1,958	1,828	2,098	2,110	2,211	2,205	2,272
Trucks and combinations.....	49,931	90,552	111,387	126,409	164,271	171,436	173,905	181,445
Rural.....	30,207	56,780	70,486	81,722	101,940	102,789	106,701	110,664
Urban.....	19,724	33,772	40,901	44,687	62,331	68,647	67,204	70,781
AVERAGE MILES PER VEHICLE								
Passenger vehicles.....	9,129	9,078	9,400	9,474	9,311	9,310	9,407	9,471
Passenger cars ¹	9,080	9,020	9,359	9,446	9,286	9,286	9,384	9,440
Buses.....	18,580	20,910	17,658	16,004	15,115	15,215	15,012	14,766
Trucks and combinations.....	10,626	10,776	10,697	10,583	11,723	11,587	11,207	11,204

¹ Includes taxicabs and motorcycles.

Source: Dept. of Transportation, Federal Highway Administration; annual report, *Highway Statistics*.

No. 816. MOTOR FUEL CONSUMPTION, BY USE: 1940 TO 1967

[In millions of gallons, except averages. Prior to 1960, excludes Alaska and Hawaii. Comprises gasoline and all other fuels under State motor fuel laws. Excludes exports and Federal purchases for military use. Obtained chiefly from reports of State authorities. See *Historical Statistics, Colonial Times to 1957*, series Q 318-320, for highway and nonhighway usage]

ITEM	1940	1945	1950	1955	1960	1964	1965	1966	1967
Total consumption	24,404	22,304	40,280	53,116	63,714	67,901	71,104	74,623	77,693
Passenger vehicles.....	16,759	14,023	25,037	34,319	41,996	48,431	51,169	54,208	56,282
Passenger cars ²	16,323	13,323	24,305	33,548	41,169	47,567	50,275	53,312	55,323
Buses ³	436	700	732	771	827	864	894	896	929
Trucks and combinations.....	5,156	5,055	10,566	13,308	15,882	19,470	19,935	20,415	21,441
Average gallons consumed per vehicle									
Passenger vehicles.....	678	617	728	759	777	778	775	778	785
Passenger cars ²	694	517	603	644	661	652	656	666	671
Buses ³	3,049	4,294	3,752	3,021	3,040	2,829	2,844	2,772	2,755
Trucks and combinations.....	1,097	1,020	1,257	1,278	1,330	1,389	1,347	1,316	1,324
Average mileage per gallon, per vehicle									
Passenger vehicles.....	13.80	13.11	12.87	12.67	12.42	12.47	12.49	12.47	12.42
Passenger cars ²	15.29	15.04	14.95	14.53	14.28	14.25	14.15	14.10	14.08
Buses ³	6.09	5.48	5.57	5.85	5.26	5.34	5.35	5.42	5.36
Trucks and combinations.....	9.68	9.09	8.57	8.37	7.96	8.43	8.60	8.52	8.46

¹ Through 1960, includes nonhighway usage and losses allowed for evaporation, handling, etc.; thereafter, highway usage only. ² Includes taxicabs and motorcycles. ³ Includes school buses.

Source: Dept. of Transportation, Federal Highway Administration; annual report, *Highway Statistics*.

No. 817. SPEED OF MOTOR VEHICLES: 1945 TO 1967

[Excludes Alaska and Hawaii. Based on actual speed of each vehicle recorded on tangent sections of main rural highways during off-peak hours]

ITEM	1945 ¹	1950	1955	1960	1961	1962	1963	1964	1965	1966	1967
Number of vehicles recorded.....1,000.....	96	280	395	459	574	602	539	569	552	519	478
Average speed, all vehicles.....m.p.h.....	44.0	47.6	50.7	52.6	52.6	53.8	55.8	55.9	56.4	57.3	58.0
Passenger cars.....m.p.h.....	45.0	48.7	52.1	53.8	53.7	55.1	57.1	57.2	57.8	58.8	59.5
Trucks.....m.p.h.....	39.8	43.0	45.8	48.2	48.2	49.4	51.3	51.0	51.8	52.6	53.1
Buses.....m.p.h.....	45.5	49.8	52.6	55.5	55.3	56.0	58.1	57.8	57.4	58.8	59.4
Vehicles exceeding—											
40 m.p.h.....percent.....	64	77	87	92	92	93	95	95	95	96	96
45 m.p.h.....percent.....	42	58	73	80	80	84	88	87	88	89	91
50 m.p.h.....percent.....	24	37	51	58	60	64	72	71	73	76	79
55 m.p.h.....percent.....	11	20	31	37	38	43	52	53	56	59	64
60 m.p.h.....percent.....	5	8	15	16	18	21	29	32	34	40	44
65 m.p.h.....percent.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	24
70 m.p.h.....percent.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	12

NA Not available. ¹ Aug. 15 to Dec. 31.

Source: Dept. of Transportation, Federal Highway Administration; *Traffic Speed Trends*, and unpublished data.

No. 818. MOTOR VEHICLES—FACTORY SALES AND REGISTRATIONS: 1900 TO 1968

[Prior to 1960, registrations exclude Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series Q 310-317]

[1900 to 1967, Series G, 510-517]

YEAR	FACTORY SALES ¹						REGISTRATIONS ⁵ (1,000)					
	Number (1,000)			Wholesale value ³			Total cars, trucks, buses	Passenger cars and taxis ⁶	Trucks and buses ⁶	Motor-cycles ⁷		
	Total cars, trucks, buses	Passenger cars	Trucks and buses ²	Passenger cars		Trucks and buses ²						
				Total (mil. dol.)	Average ⁴	Total (mil. dol.)					Average ⁴	
1900.....	4	4	-	5	\$1,250	-	-	8	-	-	-	
1910.....	187	181	6	215	1,188	10	\$1,667	8 470	458	10	-	
1920.....	2,227	1,906	322	1,809	949	423	1,314	9 251	8,131	1,108	239	
1930.....	3,363	2,787	575	1,644	590	391	680	26,794	23,035	3,715	108	
1940.....	4,472	3,717	755	2,371	638	568	752	32,525	27,466	4,987	136	
1945.....	725	70	656	57	814	1,182	1,802	31,106	25,797	5,238	198	
1950.....	8,003	6,666	1,337	8,468	1,270	1,708	1,277	49,300	40,339	8,823	454	
1955.....	9,169	7,920	1,249	12,453	1,572	2,021	1,618	62,870	52,145	10,544	412	
1960.....	7,869	6,675	1,194	12,164	1,822	2,351	1,969	73,869	61,682	12,187	570	
1965.....	11,057	9,306	1,752	18,380	1,975	3,734	2,131	90,358	75,268	15,100	1,382	
1966.....	10,329	8,598	1,731	17,554	2,042	3,953	2,284	94,193	78,354	15,839	1,753	
1967.....	8,976	7,437	1,539	15,653	2,062	3,592	2,334	96,931	80,414	16,517	1,953	
1968.....	10,718	8,822	1,896	19,200	2,176	4,500	2,373	101,048	83,698	17,350	2,101	

— Represents zero. ¹ Beginning 1965, excludes tactical vehicles.

² A substantial part of the trucks and buses reported comprises chassis without body; hence, excludes the value of bodies for these chassis. ³ Beginning 1940, includes value of standard equipment.

⁴ Averages do not indicate price changes since total values may reflect changes in number of makes, models, and/or body types from year to year. ⁵ Includes publicly owned vehicles.

⁶ Prior to 1930, buses included with passenger cars. ⁷ Excludes vehicles owned by military services.

⁸ Total includes, components exclude, Hawaii.

Source: Factory sales—Automobile Manufacturers Association, Detroit, Mich.; *Automobile Facts and Figures*. Registrations—Dept. of Transportation, Federal Highway Administration; annual report, *Highway Statistics*.

No. 819. MOTOR VEHICLES—ESTABLISHMENTS, PAYROLL, AND EMPLOYMENT FOR SELECTED KINDS OF BUSINESS: 1958 AND 1963

[For 1958, Alaska and Hawaii included only in totals, except as noted]

KIND OF BUSINESS	ESTABLISHMENTS ¹ (1,000)		ANNUAL PAYROLL ² (mil. dol.)		PAID EMPLOYEES ³ (1,000)	
	1958	1963	1958	1963	1958	1963
RETAIL TRADE						
Automotive dealers.....	93.9	98.5	3,040	4,111	723.1	794.2
Passenger car dealers, franchised.....	38.6	33.3	2,485	3,326	555.7	612.1
Passenger car dealers, nonfranchised.....	25.3	28.0	154	184	44.2	44.3
Tire, battery, and accessory dealers.....	20.9	25.9	317	474	90.7	110.5
Miscellaneous aircraft, marine, and automotive dealers.....	8.9	11.3	74	127	20.2	27.2
Gasoline service stations.....	206.8	211.5	1,138	1,510	467.7	519.8
WHOLESALE TRADE						
Motor vehicles and automotive equipment.....	4 23.1	28.9	4 1,135	1,650	4 245.1	292.0
Automobiles and other motor vehicles.....	3.9	4.6	391	507	73.5	70.9
Automotive equipment.....	17.1	22.1	619	997	145.6	187.6
Tires and tubes.....	2.1	2.2	125	146	26.0	24.6
SERVICES						
Automobile repairs, services, and garages.....	125.7	139.6	857	1,135	257.1	288.0
Automobile repair shops.....	103.7	114.5	596	778	170.5	184.4
Automobile parking.....	11.0	11.3	106	114	35.4	34.9
Motor vehicle and trailer rentals and lease services.....	4.7	7.4	94	161	20.2	32.7
Other automobile services, except repair.....	5.8	6.5	58	81	29.8	36.0
MANUFACTURING						
Motor vehicles and equipment.....	2.3	2.8	3,339	5,193	581.7	693.8
Motor vehicles and parts.....	1.6	2.0	3,169	4,947	546.0	649.9
Truck and bus bodies.....	0.6	0.6	91	133	20.0	24.5
Truck trailers.....	0.2	0.2	78	113	15.7	19.4

¹ As of Dec. 31; except for manufacturing, represents any establishment employing 1 or more workers at any time during the year. ² Comprises salaries, wages, commissions, bonuses, vacation pay, and other remuneration.

³ During workweek ended nearest Nov. 15, except quarterly average for manufacturing.

⁴ Includes Alaska and Hawaii in kind of business detail.

Source: Dept. of Commerce, Bureau of the Census; *Census of Business: 1963*, Vols. I, IV, and VI, and *Census of Manufactures: 1963*, Vol. II.

No. 820. MOTOR VEHICLES—SUMMARY STATISTICS: 1950 TO 1968

[Number in thousands; money figures in millions of dollars. Excludes Alaska and Hawaii, except as noted]

ITEM	1950	1955	1960	1965	1966	1967	1968
SALES, EXPORTS, IMPORTS, AND SCRAPPAGE ¹							
Passenger car factory sales.....	6,666	7,920	6,675	9,306	8,598	7,437	8,822
4-door sedans.....	3,247	3,044	2,697	2,744	2,333	1,851	2,052
2-door sedans, coaches and coupes ²	2,794	1,691	1,094	793	546	395	499
2-door and 4-door "hard-tops".....	267	2,169	1,517	4,251	4,438	4,153	5,053
Convertibles (except "hard-top").....	208	240	305	509	395	306	277
Station wagons ³	142	759	1,059	1,001	881	727	938
Chassis.....	9	18	3	7	6	5	3
Truck and bus factory sales.....	1,337	1,249	1,194	1,752	1,731	1,539	1,896
Passenger cars (new), exported.....	153	254	145	205	261	367	415
Passenger cars (new), imported.....	21	57	444	559	913	1,021	2,782
Exports, value.....	794	1,367	1,411	2,197	2,474	2,888	3,628
Passenger cars (new).....	179	380	235	393	554	812	972
Trucks and buses (new).....	217	340	382	328	390	408	474
Rubber tires and tubes.....	47	82	77	55	60	41	54
Parts and accessories (incl. used vehicles).....	350	565	717	1,421	1,499	1,628	2,128
Imports of new passenger cars, value.....	21	69	513	640	1,237	1,695	2,782
Vehicles scrapped ⁴	3,234	4,392	4,783	7,070	6,856	(NA)	(NA)
Passenger cars ⁴	2,598	3,773	4,200	6,163	6,000	(NA)	(NA)
Trucks and buses ⁴	636	619	583	907	856	(NA)	(NA)
AUTOMOTIVE PARTS AND CHEMICAL SHIPMENTS							
Tires, passenger car, ⁵ total.....	84,423	93,730	105,687	148,497	150,957	150,979	174,069
Original equipment.....	36,678	42,574	36,278	51,413	47,362	40,827	49,917
Replacement.....	47,103	50,189	68,475	94,893	101,812	108,499	121,488
Export.....	642	966	934	2,191	1,783	1,653	2,663
Tires, truck and bus, ⁵ total.....	15,164	14,769	13,911	20,440	22,664	21,756	25,268
Original equipment.....	4,671	4,800	3,825	6,943	7,401	6,873	8,447
Replacement.....	9,705	9,057	9,210	12,819	14,613	14,418	16,291
Export.....	788	912	776	678	650	465	530
Replacement automobile batteries ⁷	24,442	25,828	26,329	30,628	32,124	⁸ 32,062	(NA)
Sealed-beam lamps ⁹	35,776	44,911	67,416	⁸ 85,569	⁸ 82,664	⁸ 75,106	⁸ 88,543
Other automotive lamps ⁹	251,216	331,448	323,449	⁸ 522,608	⁸ 535,912	⁸ 517,676	⁸ 598,399
Antifreeze ¹⁰ 1,000 gal.....	(NA)	110,000	120,902	143,067	140,261	143,691	(NA)
Other cooling system chemicals ¹⁰	(NA)	(NA)	32,437	25,417	27,554	24,416	(NA)
Heavy duty brake fluid ¹⁰ 1,000 gal ¹¹	(NA)	5,682	9,425	7,963	8,986	9,552	(NA)
SPECIAL MOTOR-VEHICLE TAXES ¹²							
Federal excise ¹⁴	1,479	2,736	4,397	5,716	5,424	5,524	5,905
State motor vehicle and carrier receipts ¹⁵	948	1,483	1,926	2,512	2,761	2,894	3,058
State motor-fuel, net ¹⁵	1,667	2,543	3,396	4,495	4,758	5,005	5,353
MOTOR VEHICLE REGISTRATIONS ¹⁶							
World.....	70,424	95,896	126,908	177,995	190,306	200,582	(NA)
United States.....	49,161	62,689	73,669	90,360	94,193	96,945	⁸ 99,958
Other North and Central America.....	3,154	4,942	6,759	8,235	9,160	8,900	(NA)
South America.....	1,270	1,835	2,995	5,103	5,573	5,490	(NA)
Europe.....	12,529	19,611	33,751	56,483	61,097	65,969	(NA)
Africa.....	1,241	1,829	2,450	3,394	3,509	3,822	(NA)
Asia.....	1,221	2,212	3,556	9,739	11,817	13,937	(NA)
Oceania.....	1,848	2,778	3,528	4,681	4,987	5,519	(NA)

NA Not available.

¹ Source: Exports and imports from Dept. of Commerce.² Includes business coupes.³ Excludes station wagons on commercial vehicle chassis.⁴ Estimated. ⁵ Includes Alaska and Hawaii.⁶ Source: The Rubber Manufacturers Association, Inc. Beginning 1965, figures for "Tires, passenger car" in-clude motorcycle tires.⁷ Source: Association of American Battery Manufacturers. ⁸ Preliminary.⁹ Source: Bureau of the Census. ¹⁰ Source: Chemical Specialties Manufacturers Association, Inc.¹¹ Individual consumer size (1-treatment) packages.¹² Figures represent fluid compounded rather than sold.¹³ Special taxes on motor-vehicle users. Excludes income and property taxes on motor vehicle, body, parts and tire factories; garages; dealers; repair shops; terminal and truck, including taxicab and bus, operating companies.¹⁴ Source: Dept. of the Treasury and Dept. of Transportation. Includes amounts collected on use of vehicles over 26,000 pounds as follows, in millions of dollars: 1960, 45; 1965, 103; 1966, 106; 1967, 108; and 1968, 125.¹⁵ Source: Dept. of Transportation.¹⁶ Includes cars, trucks, and buses. Source: Dept. of State and overseas sources.Source: Automobile Manufacturers Association, Detroit, Mich.; *Automobile Facts and Figures*. Includes data compiled from sources cited in footnotes.

No. 821. MOTOR-VEHICLE REGISTRATIONS, 1950 TO 1968, AND DRIVERS LICENSES, 1967, BY STATES

[In thousands, except as indicated. Motor-vehicle registrations include publicly owned vehicles; for uniformity, figures have been adjusted to a calendar-year basis as registration years in States differ; figures represent net numbers where possible, excluding re-registrations and nonresident registrations]

STATE	AUTOMOBILES, TRUCKS, AND BUSES							Motor-cycles (incl. official), ¹ 1968	DRIVERS LICENSES, 1967		
	1950	1955	1960	1965	1968				Total ²	Percent	
					Total	Private and commercial				Male drivers	Drivers under 25 years
						Auto-mob- iles (incl. taxicabs)	Trucks and buses				
U.S. ³	49,300	62,870	73,869	90,358	101,048	83,281	16,282	2,100.9	103,172	58.5	(NA)
Ala.....	686	1,041	1,282	1,663	1,806	1,440	339	27.3	1,598	58.6	(NA)
Alaska.....	(NA)	(NA)	81	109	123	87	31	6.2	115	59.2	20.2
Ariz.....	271	415	624	825	944	717	206	25.5	964	55.3	26.0
Ark.....	477	584	708	914	1,023	714	297	16.1	1,013	58.6	(NA)
Calif.....	4,620	6,189	7,799	9,989	11,123	9,256	1,706	401.4	10,688	58.1	18.4
Colo.....	564	737	924	1,158	1,300	987	289	28.5	1,261	62.1	27.2
Conn.....	716	921	1,107	1,415	1,626	1,440	168	23.5	1,898	58.1	18.6
Del.....	108	154	192	244	283	237	42	3.7	295	55.8	21.2
D.C.....	195	197	206	236	257	230	19	2.9	344	64.5	18.5
Fla.....	985	1,616	2,367	3,037	3,628	3,153	424	64.7	3,336	59.4	(NA)
Ga.....	898	1,239	1,512	1,990	2,324	1,867	431	33.3	2,153	58.6	(NA)
Hawaii.....	138	181	231	310	355	312	36	9.6	393	58.5	(NA)
Idaho.....	272	338	375	434	471	319	139	22.6	429	60.6	(NA)
Ill.....	2,651	3,268	3,776	4,437	4,990	4,340	595	91.1	5,801	58.5	20.7
Ind.....	1,435	1,763	2,046	2,427	2,739	2,198	515	64.9	2,661	55.4	22.0
Iowa.....	1,072	1,195	1,325	1,549	1,703	1,329	345	42.0	1,584	57.8	19.7
Kans.....	853	1,048	1,163	1,369	1,501	1,072	405	34.3	1,410	54.6	23.0
Ky.....	784	1,032	1,198	1,500	1,691	1,327	343	27.4	1,442	62.1	21.5
La.....	707	952	1,177	1,442	1,662	1,311	330	25.1	1,622	58.6	(NA)
Maine.....	276	323	374	424	480	384	90	6.4	485	57.6	18.8
Md.....	685	938	1,155	1,481	1,704	1,485	200	23.5	1,867	59.8	20.8
Mass.....	1,280	1,546	1,803	2,104	2,336	2,094	211	30.9	2,791	58.1	19.9
Mich.....	2,433	3,114	3,306	3,991	4,317	3,715	537	106.5	4,514	56.8	25.0
Minn.....	1,169	1,365	1,592	1,890	2,086	1,672	384	60.8	2,074	57.1	21.1
Miss.....	484	637	723	921	1,061	789	255	12.2	972	58.6	(NA)
Mo.....	1,261	1,490	1,720	2,085	2,345	1,853	469	38.1	2,500	58.6	20.7
Mont.....	265	331	373	429	463	302	151	17.0	391	57.5	20.8
Nebr.....	569	662	734	849	909	660	234	19.1	918	56.4	(NA)
Nev.....	77	124	175	266	302	226	67	13.3	338	57.6	20.4
N.H.....	172	212	267	331	363	302	53	7.4	371	57.0	20.2
N.J.....	1,579	2,061	2,401	2,980	3,334	2,969	314	39.4	3,597	60.2	19.6
N. Mex.....	238	340	426	525	589	430	146	15.0	549	55.1	(NA)
N. Y.....	3,735	4,643	5,067	5,939	6,310	5,616	596	75.6	7,903	60.2	17.0
N. C.....	1,056	1,437	1,720	2,156	2,573	2,020	483	32.8	2,512	57.6	24.7
N. Dak.....	276	309	345	396	414	264	142	9.4	333	58.2	25.1
Ohio.....	2,795	3,526	4,087	4,935	5,442	4,831	558	123.4	5,726	60.5	19.7
Okla.....	831	1,026	1,184	1,438	1,610	1,151	436	34.7	1,465	57.4	22.7
Oreg.....	689	802	919	1,119	1,242	1,000	216	37.1	1,100	57.2	16.4
Pa.....	3,010	3,737	4,287	4,968	5,547	4,828	661	114.3	5,913	60.8	20.7
R.I.....	251	308	341	406	452	400	47	6.7	469	59.8	(NA)
S.C.....	579	782	879	1,094	1,250	1,015	212	12.5	1,244	60.8	27.3
S. Dak.....	290	325	354	398	411	283	118	9.6	404	57.9	23.9
Tenn.....	858	1,102	1,307	1,655	1,907	1,537	341	30.0	2,060	56.6	19.7
Tex.....	2,968	3,869	4,457	5,610	6,180	4,773	1,317	93.8	5,601	56.4	22.7
Utah.....	247	336	417	525	571	445	114	16.7	558	55.5	23.7
Vt.....	121	136	152	175	207	170	33	5.3	219	59.8	(NA)
Va.....	918	1,243	1,426	1,800	2,048	1,711	299	25.1	2,230	59.0	20.7
Wash.....	924	1,164	1,377	1,659	1,987	1,548	403	47.1	1,705	57.3	21.3
W. Va.....	482	552	601	696	805	637	155	20.3	855	61.2	22.7
Wis.....	1,201	1,386	1,600	1,839	2,027	1,685	304	60.1	2,280	57.7	22.6
Wyo.....	145	174	207	225	226	145	74	6.8	221	60.5	(NA)

NA. Not available.

¹ Excludes vehicles owned by military services.

² Estimated from data reported by States for current and previous years; no allowance made for deaths, emigration, or revocation.

³ Incomplete data for some States.

Source: Dept. of Transportation, Federal Highway Administration; annual reports, *Highway Statistics*, *Drivers Licenses—1967*, and unpublished data.

No. 822. NEW PASSENGER CAR PRODUCTION AND IMPORTS: 1962 TO 1968

ITEM	1962	1963	1964	1965	1966	1967	1968
Value of production:							
Gross auto product ¹bil. dol..	22.5	25.1	25.8	31.8	30.3	29.0	35.7
Gross national product ²bil. dol..	560.3	590.5	632.4	684.9	747.6	789.7	860.6
Gross auto product as percent of GNP.....	4.0	4.3	4.1	4.6	4.1	3.7	4.1
Production and imports:							
Total.....1,000 units.....	7,319	8,053	8,261	9,894	9,518	8,434	10,469
Domestic production.....1,000 units.....	6,943	7,644	7,745	9,335	8,605	7,413	8,849
Imports.....1,000 units.....	376	409	516	559	913	1,021	1,620
Model year production by retail price groups ³ (percent):							
\$2,500 and less.....	67.2	51.7	48.7	47.4	40.5	32.7	19.0
\$2,501-\$3,000.....	21.9	35.6	39.0	39.2	43.0	47.4	53.9
\$3,001-\$3,500.....	3.5	5.1	5.3	6.4	8.3	10.4	16.9
\$3,501 and over.....	7.4	7.6	7.0	7.0	8.2	9.5	10.2

¹ Value of domestically produced cars plus net value added by distribution of new, used, and imported cars.

² For definition, see text, p. 307.

³ Prices are exclusive of optional equipment, Federal excise and other taxes, transportation costs, and dealers' delivery and handling charges.

Source: Dept. of Commerce, Bureau of the Census and Office of Business Economics, and Automobile Manufacturers Association, Detroit, Mich., unpublished data.

No. 823. HOUSEHOLD EXPENDITURES ON NEW AND USED CARS: 1966 TO 1969

[Seasonally adjusted quarterly totals at annual rates. Expenditures and prices are net of trade-in allowances and State and Federal taxes. Based on sample]

MONTH AND YEAR	EXPENDITURES, ANNUAL RATE (bil. dol.)			AVERAGE PRICE (dollars)	
	Total	New cars	Used cars	New car	Used car
1966, Oct.-Dec.....	30.7	19.2	11.5	2,589	885
1967, Jan.-Mar.....	30.7	19.5	11.2	2,650	843
Apr.-June.....	31.1	20.5	10.6	2,741	800
July-Sept.....	30.3	18.7	11.6	2,764	858
Oct.-Dec.....	29.7	19.0	10.7	2,769	859
1968, Jan.-Mar.....	32.9	20.6	12.3	2,792	927
Apr.-June.....	33.5	22.3	11.2	2,819	842
July-Sept.....	37.7	25.6	12.1	2,931	855
Oct.-Dec.....	36.2	24.1	12.1	3,105	927
1969, Jan.-Mar.....	34.6	23.8	10.8	2,925	885

Source: Dept. of Commerce, Bureau of the Census; *Current Population Reports*, Series P-65, Nos. 24 and 25.

No. 824. AUTOMOBILES—FACTORY INSTALLATION OF SELECTED TYPES OF EQUIPMENT: 1956 TO 1968

[Refers to model-year production. For certain items, such as air conditioning, a significant number of units are installed on new vehicles after they leave the factory]

EQUIPMENT	UNITS INSTALLED (1,000)				PERCENT OF TOTAL CARS PRODUCED			
	1956	1960	1965	1968	1956	1960	1965	1968
Automatic transmission.....	4,709	4,306	7,134	7,250	74.8	71.6	80.7	89.1
Manual transmission.....	1,586	1,706	1,709	878	25.2	28.4	19.3	10.8
V-8 engine.....	5,122	3,409	6,492	7,026	81.4	56.7	73.4	86.4
6-cylinder engine.....	1,173	2,603	2,350	1,107	18.6	43.3	26.6	13.6
Power brakes.....	1,529	1,948	2,856	3,653	24.3	32.4	32.3	44.9
Power steering.....	1,720	2,357	5,270	6,293	27.3	39.2	59.6	77.4
Power windows ¹	412	376	1,261	1,430	6.6	6.3	14.3	17.6
Air conditioning.....	164	414	2,061	3,519	2.6	6.9	23.3	43.3
Tinted glass (windshield and other).....	1,988	1,668	4,572	5,194	31.6	27.7	51.7	63.9

¹ Includes power operated station wagon rear windows.

Source: *Annual Statistical Issue, Automotive Industries*. Published by Chilton Company, Philadelphia, Pa. (Copyright.)

No. 825. AUTOMOBILE OWNERSHIP, AGE, AND FINANCING: 1950 to 1968 [Excludes Alaska and Hawaii. For definition of family unit, see headnote, table 471]

ITEM	1950	1955	1960	1964	1965	1966	1967	1968
Total number of families in U.S. ¹	45.2	49.1	53.4	56.8	58.4	59.1	60.2	61.2
Families owning automobiles.....	59	70	77	78	79	79	78	79
Owning 1 automobile.....	52	60	62	55	55	54	53	53
Owning 2 or more automobiles.....	7	10	15	22	24	25	25	26
Automobiles owned, by age: ²								
Less than 2 years old.....	17	12	14	13	16	16	17	14
2 and 3 years old.....	19	22	20	20	21	22	22	24
4 and 5 years old.....	6	43	41	33	33	34	33	36
6-7 years old.....	58	23	25	34	30	28	28	26
8 years old and over.....								
Total automobiles purchased ³		13.6	14.1	17.3	18.3	19.3	19.1	19.2
New cars.....	(NA)	4.4	5.2	6.0	7.2	7.9	7.6	6.9
Average price paid.....		2,730	3,140	3,130	3,140	3,260	3,250	3,290
Used cars.....		9.2	9.1	11.3	11.1	11.4	11.5	12.3
Average price paid, gross.....		780	980	920	920	910	880	1,050
Method of financing purchases:								
All passenger cars ⁴	100	100	100	100	100	100	100	100
Full cash (including trade-in allowance).....	47	38	38	47	48	48	48	42
Installment credit and other borrowing.....	52	60	62	53	52	52	52	58
New passenger-car buyers ⁴	100	100	100	100	100	100	100	100
Full cash (including trade-in allowance).....	54	39	33	40	40	37	38	31
Installment credit and other borrowing.....	46	60	67	60	60	63	62	69
Used passenger cars ⁴	100	100	100	100	100	100	100	100
Full cash (including trade-in allowance).....	41	37	41	51	53	52	53	50
Installment credit and other borrowing.....	57	60	59	49	47	48	47	50

NA Not available. ¹ At time of survey, early in year indicated.

² Age is determined by subtracting model year from year of survey. ³ Covers family units buying cars during preceding calendar year and still owning them at time of survey (January-February of year indicated).

⁴ Refers to purchases during preceding year. Includes cars received as gifts, whether cash or credit purchased. Buyers for whom method of financing was not ascertained are excluded from the detail on purchases.

Source: The University of Michigan, Survey Research Center, Ann Arbor, Mich.; *Survey of Consumer Finances*.

No. 826. AUTOMOBILE INSURANCE: 1950 to 1967

[Money figures in millions of dollars. Prior to 1960, excludes Alaska and Hawaii. 1950, net basis; 1955, direct writing basis; and, 1960 to 1965, direct premiums earned and direct losses incurred]

ITEM	1950	1955	1960	1964	1965	1966	1967
Total insurance:							
Premiums written.....	2,625	4,644	6,448	7,582	8,358	10,008	10,800
Losses paid.....	1,069	2,122	3,645	4,787	5,221	5,235	5,814
Percent losses paid of premiums written.....	40.7	45.7	56.5	63.1	62.5	52.3	53.8
Automobile liability, bodily injury:							
Premiums written.....	931	1,735	2,841	3,612	3,948	4,610	4,991
Losses paid.....	396	820	1,697	2,266	2,459	2,351	2,580
Percent losses paid of premiums written.....	42.5	47.3	59.7	62.7	62.3	51.0	51.7
Automobile liability, property damage: ¹							
Premiums written.....	482	896	1,219	1,418	1,567	1,894	2,091
Losses paid.....	231	415	675	940	1,025	1,090	1,224
Percent losses paid of premiums written.....	47.9	46.3	55.4	66.3	65.4	59.6	58.5
Physical damage: ²							
Premiums written.....	1,212	2,013	2,388	2,552	2,843	3,504	3,718
Losses paid.....	442	887	1,273	1,581	1,737	1,794	2,011
Percent losses paid of premiums written.....	36.5	43.6	53.3	62.0	61.1	51.2	54.1

¹ Covers real property against damage by autos. ² Covers auto fire, theft, collision, and comprehensive.

Source: The Spectator, Philadelphia, Pa.; 1950, *Insurance Yearbook*; 1955 through 1965, *Insurance by States*; thereafter, *Property Liability Insurance Index*. (Copyright.)

No. 827. CARS AND TRUCKS IN USE, BY AGE: 1950 to 1968

[As of July 1. Prior to 1960, excludes Alaska and Hawaii. Excludes vehicles for which age was not known]

AGE	1950		1955		1960		1965		1968	
	Number (1,000)	Per cent	Number (1,000)	Per cent	Number (1,000)	Per cent	Number (1,000)	Per cent	Number (1,000)	Per cent
Total cars ¹	35,824	100.0	47,123	100.0	56,935	100.0	68,935	100.0	75,295	100.0
Under 3 years.....	10,957	30.6	14,448	30.7	14,186	24.9	21,578	31.3	23,140	30.7
3-5 years.....	6,083	17.0	15,164	32.2	18,346	32.2	18,013	26.1	23,664	31.4
6-8 years.....			10,146	21.5	12,380	21.7	13,571	19.7	15,454	20.5
9-11 years.....	9,233	25.8			9,199	16.2	9,862	14.3	7,045	9.4
12 years and over.....	9,551	26.7	7,365	15.6	2,825	5.0	5,911	8.6	5,991	8.0
Total trucks ¹	7,525	100.0	9,111	100.0	10,771	100.0	13,106	100.0	15,652	100.0
Under 3 years.....	2,476	32.9	2,039	22.4	2,046	19.0	3,222	24.6	4,622	25.7
3-5 years.....	1,719	22.8	2,767	30.4	2,418	22.4	2,476	18.9	3,622	23.1
6-8 years.....	362	4.8	2,319	25.5	2,077	19.3	1,950	14.9	2,331	14.0
9-11 years.....	1,342	17.8	702	7.7	2,332	21.7	1,844	14.1	1,651	10.6
12 years and over.....	1,626	21.6	1,285	14.1	1,898	17.6	3,614	27.6	4,027	25.7

¹ For 1965 and earlier years, Willys Jeeps included in "Cars"; thereafter, in "Trucks."

Source: R. L. Polk & Co., Detroit, Mich. Further reproduction prohibited without Polk permission.

No. 828. MOTORTRUCKS, BY SIZE-CLASS, RANGE OF OPERATION, AND MAJOR USE, 1963 AND 1967, AND BY STATES, 1967

[In thousands. Includes private and commercial single-unit trucks and combinations. Based on a probability sample of truck license holders; subject to sampling variability]

STATE	Total ¹	SIZE-CLASS ²			RANGE OF OPERATION ³			MAJOR USE				
		Light	Medium	Heavy	Local	Short	Long	Agriculture	Personal	Wholesale and retail trade	Construction	Utilities and services
1963.....	12,726	8,853	1,128	2,094	8,751	895	193	3,528	3,114	1,164	1,198	930
1967, total..	15,361	11,317	2,099	1,945	3,722	622	230	3,708	5,168	1,886	1,444	1,231
N.E.....	560	384	94	82	184	32	4	59	150	105	89	67
Maine.....	85	58	24	3	24	5	1	15	32	11	8	8
N.H.....	49	38	5	6	12	3	(Z)	4	18	8	3	3
Vt.....	31	20	5	6	10	3	(Z)	7	9	5	3	6
Mass.....	195	125	30	40	71	10	2	12	34	46	38	26
R.I.....	45	31	7	7	16	2	1	3	10	9	8	6
Conn.....	155	112	23	20	51	9	(Z)	18	47	26	24	18
M.A.....	1,485	933	233	319	473	85	29	164	362	280	180	195
N.Y.....	560	346	112	111	207	32	9	63	95	125	72	91
N.J.....	299	196	35	68	94	19	7	20	70	56	43	47
Pa.....	617	391	86	140	172	34	13	81	197	98	65	57
E.N.C.....	2,370	1,615	381	374	685	103	45	625	605	329	261	210
Ohio.....	530	350	84	96	156	29	13	142	103	78	69	54
Ind.....	490	314	101	65	120	17	12	128	161	58	39	33
Ill.....	568	388	94	86	187	23	6	144	135	88	64	53
Mich.....	499	346	68	85	132	21	9	90	168	67	56	46
Wis.....	293	217	34	42	90	13	5	121	38	38	33	24
W.N.C.....	1,983	1,331	389	263	588	82	26	873	446	195	144	134
Minn.....	358	281	42	35	111	14	5	140	77	38	35	27
Iowa.....	329	258	41	30	84	16	4	137	67	36	23	34
Mo.....	436	230	119	87	121	17	9	158	119	44	35	27
N. Dak.....	138	71	38	29	64	4	1	96	19	8	4	4
S. Dak.....	115	89	16	10	25	4	1	60	29	8	7	5
Nebr.....	226	138	51	37	75	16	5	93	38	38	14	19
Kans.....	381	264	82	35	108	11	1	189	97	23	26	18
S.A.....	2,097	1,567	234	296	488	89	44	429	698	305	212	180
Del.....	37	24	6	8	10	2	3	6	10	4	5	4
Md.....	188	119	27	42	62	10	2	29	51	33	29	22
D.C.....	17	10	4	3	8	(Z)	(Z)	(Z)	1	5	2	5
Va.....	279	204	29	46	74	13	6	83	88	46	26	22
W. Va.....	142	107	18	17	35	7	2	20	66	14	8	12
N.C.....	443	353	40	50	87	14	11	126	145	58	36	27
S.C.....	198	150	20	28	42	8	3	52	65	30	14	13
Ga.....	305	303	43	49	87	17	7	86	145	45	37	34
Fla.....	398	297	48	53	83	18	10	82	127	70	55	41
E.S.C.....	1,202	924	158	120	270	49	17	415	384	123	84	70
Ky.....	317	234	42	41	92	18	4	127	73	36	26	20
Tenn.....	323	249	48	26	66	9	5	128	88	30	28	19
Ala.....	316	234	49	33	73	13	6	76	124	38	20	19
Miss.....	246	207	19	20	39	9	2	86	99	19	10	12
W.S.C.....	2,234	1,821	234	179	375	82	33	690	863	224	169	129
Ark.....	283	231	35	23	58	9	4	81	121	22	16	17
La.....	307	248	29	30	55	13	3	69	117	38	26	22
Okla.....	412	315	62	34	84	14	7	159	141	25	21	17
Tex.....	1,227	1,027	108	92	178	46	19	291	484	139	106	73
Mt.....	1,136	908	121	107	219	35	11	267	544	82	80	63
Mont.....	142	100	18	24	40	5	(Z)	62	47	6	9	7
Idaho.....	132	98	17	17	32	5	1	46	55	10	6	4
Wyo.....	73	55	11	7	16	3	1	21	34	4	5	3
Colo.....	278	224	34	20	55	7	3	71	126	23	22	15
N. Mex.....	138	123	7	8	14	5	1	21	78	10	10	8
Ariz.....	192	162	15	15	31	4	2	20	106	15	14	15
Utah.....	118	92	14	12	23	4	2	22	60	9	8	6
Nev.....	63	54	5	4	8	2	1	4	38	5	6	5
Pac.....	2,294	1,834	255	205	440	65	21	276	1,116	243	225	183
Wash.....	367	292	48	27	80	9	1	72	181	35	28	20
Oreg.....	209	153	30	26	47	10	5	44	95	16	13	11
Calif.....	1,651	1,340	169	142	297	44	15	152	814	184	173	147
Alaska.....	32	25	3	4	6	1	(Z)	1	19	2	5	2
Hawaii.....	35	24	5	6	10	1	(Z)	7	7	6	6	3

Z Less than 500. ¹ Includes range of operation and major use categories not shown separately. 1963 includes miscellaneous trucks not classified.

² Standard classification for all States in terms of gross vehicle weight (empty weight of vehicle plus load it was designed to carry): Light—10,000 lb. or less; Medium—10,001 to 20,000 lb.; Heavy—20,001 lb. or more.

³ Excludes pickup and panel trucks. Local—in or around city and suburbs, or within a short distance of farm, factory, mine, or place vehicle is stationed. Short range—beyond the local area, but usually not more than 200 miles one way to most distant stop from place vehicle is stationed. Long range—usually more than 200 miles one way to most distant stop from place vehicle is stationed.

Source: Dept. of Commerce, Bureau of the Census; 1963 Census of Transportation, Vol. II *Truck Inventory and Use Survey* and 1967 *Truck Inventory and Use Survey*, TC67(A)—T1-T61.

NO. 829. TRANSIT INDUSTRY—SUMMARY: 1940 TO 1967

[Money figures in millions of dollars, except as indicated. Prior to 1960, excludes Alaska and Hawaii. Comprises all privately and publicly owned organized local passenger transportation agencies except taxicabs, suburban railroads, and sightseeing and school buses. Covers (a) local motorbus lines, (b) electric street railways, (c) elevated and subway lines, (d) interurban electric railways and (e) trolley coach lines. Based on financial and statistical reports received by American Transit Association from transit companies representing more than 85 percent of the industry. See also *Historical Statistics, Colonial Times to 1957*, series Q 330-340]

ITEM	1940	1945	1950	1955	1960	1964	1965	1966	1967
Operating companies	(NA)	1,253	1,406	1,483	1,251	1,152	1,148	1,134	1,138
Motorbus companies ¹	(NA)	1,164	1,354	1,450	1,236	1,149	1,145	1,131	1,135
Miles of route operated (Dec. 31):									
Electric railway—single track.....	19,600	17,732	10,813	6,197	3,935	2,173	2,173	2,153	2,049
Surface.....	18,360	16,490	9,590	4,976	2,692	918	918	898	790
Subway and elevated.....	1,240	1,252	1,223	1,221	1,243	1,255	1,255	1,255	1,250
Trolley coach—negative overhead wire.....	1,925	2,368	3,482	3,428	2,196	986	766	676	616
Motorbus—route round trip.....	78,000	90,400	98,000	99,800	108,700	118,300	120,900	122,100	123,900
Passenger vehicles owned (Dec. 31)	75,464	90,141	86,867	73,089	65,292	61,689	61,717	62,136	62,069
Electric railway cars.....	37,662	36,755	23,543	14,532	11,866	10,624	10,664	10,680	10,645
Surface.....	26,680	26,680	13,800	5,800	2,856	1,660	1,549	1,407	1,388
Subway and elevated.....	11,032	10,075	9,743	9,232	9,010	9,064	9,115	9,273	9,257
Trolley coaches.....	2,802	3,716	6,504	6,157	3,826	1,865	1,453	1,326	1,244
Motorbuses.....	35,000	49,670	56,820	52,400	49,600	49,200	49,600	50,130	50,180
Investment (Dec. 31)	4,096	4,262	3,918	3,821	3,937	4,106	4,225	4,350	4,492
Electric railway.....	3,588	3,620	3,060	2,902	3,003	3,144	3,243	3,321	3,429
Surface.....	1,574	1,570	913	616	367	165	165	149	160
Subway and elevated.....	2,014	2,050	2,147	2,286	2,636	2,979	3,078	3,172	3,279
Trolley coach.....	58	76	144	160	117	65	49	43	40
Motorbus.....	450	566	714	759	817	897	933	980	1,023
Operating finances:									
Operating revenue.....	737	1,380	1,452	1,426	1,407	1,408	1,444	1,479	1,556
Electric railway.....	456	710	578	440	369	351	366	365	405
Surface.....	328	558	362	176	88	56	56	59	53
Subway and elevated.....	128	151	216	264	282	296	310	307	352
Trolley coach.....	25	68	122	131	82	46	42	30	36
Motorbus.....	256	603	752	856	956	1,010	1,036	1,074	1,116
Operating expenses.....	598	1,067	1,297	1,277	1,290	1,343	1,374	1,424	1,531
Percent of revenue.....	81.1	77.3	89.3	89.6	91.7	95.4	95.2	98.3	98.4
Net revenue.....	139	313	155	149	117	66	70	55	25
Taxes (all).....	63	165	89	93	87	78	81	92	92
Operating income.....	76	149	66	56	31	2 1/2	2 1/2	2 3/4	2 6/7
Percent of revenue.....	10.4	10.8	4.6	3.9	2.2	(2)	(2)	(2)	(2)
Revenue vehicle-miles operated									
Electric railway..... millions.....	2,596	3,254	3,008	2,448	2,143	2,016	2,008	1,984	1,997
Surface..... millions.....	1,316	1,398	907	561	466	439	437	422	424
Subway and elevated..... millions.....	845	940	463	178	75	43	42	43	38
Trolley coach..... millions.....	471	458	443	383	391	396	395	379	397
Motorbus..... millions.....	86	133	206	177	101	49	43	40	36
Passengers carried..... millions.....	1,195	1,722	1,895	1,710	1,576	1,528	1,528	1,522	1,526
Passengers carried									
Electric railway..... millions.....	13,098	23,254	17,246	11,529	9,395	8,328	8,253	8,083	8,172
Surface..... millions.....	8,325	12,124	6,168	3,077	2,313	2,166	2,134	2,035	2,201
Subway and elevated..... millions.....	5,943	9,426	3,904	1,207	463	289	276	263	263
Trolley coach..... millions.....	2,382	2,698	2,264	1,870	1,850	1,877	1,858	1,753	1,938
Motorbus..... millions.....	534	1,244	1,658	1,202	657	349	305	284	248
Revenue passengers carried..... millions.....	4,239	9,886	9,420	7,250	6,425	5,813	5,814	5,764	5,723
Revenue passengers carried									
Electric railway..... millions.....	10,504	18,982	13,845	9,189	7,521	6,854	6,798	6,671	6,616
Surface..... millions.....	6,464	9,636	4,903	2,586	2,005	1,911	1,882	1,795	1,828
Subway and elevated..... millions.....	4,183	7,081	2,790	845	335	213	204	211	196
Trolley coach..... millions.....	2,282	2,555	2,113	1,741	1,670	1,698	1,678	1,584	1,632
Motorbus..... millions.....	419	1,001	1,261	869	447	214	186	174	155
Number of employees (average).....	3,820	8,345	7,681	5,734	5,069	4,729	4,730	4,702	4,633
Subway and elevated..... 1,000.....	203	242	240	198	156	145	145	144	146
Surface railway—trolley coach and motorbus.....	203	34	39	41	35	35	36	36	38
Payroll.....	360	208	201	157	121	110	109	108	108
Average annual earnings per employee..... dollars.....	1,773	2,612	3,479	4,364	5,481	6,332	6,645	6,895	7,222

NA Not available. ¹ Comprises companies operating motorbuses exclusively and companies with combined services such as trolley coach and motorbus, etc.

² Deficit, not computed as percent of operating revenue.

Source: American Transit Association, Washington, D.C.; annual report, *Transit Fact Book*.

NO. 830. INTERCITY BUS LINES—SUMMARY OF OPERATIONS: 1960 TO 1968

ITEM	1960	1965	1966	1967	1968 est.
Operating companies.....	1,150	1,100	1,100	1,050	1,050
Buses.....	20,974	20,600	21,500	21,500	21,400
Miles of highway served (Dec. 31) ¹	265,000	263,000	264,000	265,000	266,000
Employees (Dec. 31) ²	45,000	45,000	46,200	46,800	46,000
Total bus miles.....	1,092	1,157	1,200	1,196	1,170
Revenue passengers.....	366.2	380.0	394.0	380.0	380.0
Revenue passenger-miles.....	19,300	23,800	24,600	24,900	24,500
Operating revenue, all services.....	\$1,000.	556,200	700,500	739,600	794,700
Operating expenses.....	\$1,000.	494,800	599,500	637,000	705,800
Net operating revenue before income taxes.....	\$1,000.	61,400	101,000	102,600	85,300
Taxes assignable to operations ³	\$1,000.	52,600	58,400	64,500	67,500

¹ Includes duplication between carriers. ² Operating companies only. ³ Excludes income taxes.

Source: National Association of Motor Bus Owners, Washington, D.C.; *Bus Facts*.

NO. 831. CLASS I INTERCITY MOTOR CARRIERS OF PROPERTY AND PASSENGERS—SUMMARY STATISTICS: 1950 TO 1967

[Money figures in millions of dollars, except as indicated. Prior to 1960, excludes Alaska and Hawaii. See text, p. 538, for explanation of class limits]

ITEM	1950	1955	1960	1965	1966	1967
PROPERTY						
Carriers reporting.....	1,621	2,244	935	1,114	1,159	1,194
Operating revenue.....	2,380	4,030	4,763	7,131	7,897	8,010
Common carrier.....	2,181	3,622	4,384	6,637	7,347	7,441
Contract carrier and other.....	199	408	379	493	549	569
Expenses.....	2,215	3,870	4,645	6,760	7,505	7,722
Percent of operating revenue.....	93.1	96.0	97.5	94.8	95.0	96.4
Net operating revenue.....	165	160	119	371	391	288
Net income before income taxes.....	159	146	81	329	336	240
Net income after income taxes.....	93	82	37	209	217	147
Owne revenue vehicles ¹	191,243	288,668	279,305	354,908	384,293	393,988
Trucks.....	28,990	37,472	30,560	35,870	37,706	37,337
Truck tractors.....	61,060	92,073	87,933	105,393	113,833	115,730
Semitrailers.....	96,599	153,504	157,657	210,524	229,157	237,018
Intercity vehicle-miles.....	5,352	7,559	7,203	9,154	9,814	9,815
Tons of intercity revenue freight carried.....	213	314	276	419	463	469
Miles per owned vehicle.....	53,833	53,008	59,590	65,217	66,437	64,199
Revenue per vehicle-mile (intercity).....	\$0.43	\$0.52	\$0.64	\$0.74	\$0.78	0.79
Expense per vehicle-mile (intercity).....	\$0.41	\$0.61	\$0.65	\$0.72	\$0.76	0.79
Employees, average number.....	224,215	332,188	326,626	375,386	420,878	418,476
Compensation.....	855	1,690	2,103	2,948	3,436	3,878
PASSENGERS						
Carriers reporting ²	172	146	143	156	166	172
Operating revenue.....	351	362	463	607	644	667
Passenger revenue ³	325	315	382	467	490	494
Special bus revenue and other.....	27	47	81	141	154	172
Expenses.....	315	331	405	514	550	588
Percent of operating revenue.....	89.7	91.4	87.5	84.7	85.4	88.2
Net operating revenue.....	36	31	58	90	94	78
Ordinary income before income taxes.....	35	29	55	90	92	83
Net income after income taxes.....	19	16	28	52	54	52
Passenger vehicles, total.....	14,666	13,127	12,680	13,287	14,298	15,406
Owne end of year.....	13,200	11,547	10,946	11,295	11,749	12,307
Passenger vehicles (intercity) ⁴	13,621	12,057	11,142	10,106	10,666	10,932
Vehicle-miles, passenger ⁵	959	859	843	947	988	997
Number of revenue passengers carried.....	390	293	268	219	229	230
Miles per vehicle, average ⁵	65,411	64,128	65,567	(NA)	(NA)	(NA)
Average fare per passenger, per carrier (intercity).....	\$1.01	\$1.37	\$2.12	(NA)	(NA)	(NA)
Passenger revenue per vehicle-mile, regular-route.....	\$0.35	\$0.38	\$0.49	(NA)	(NA)	(NA)
Expense per vehicle-mile.....	\$0.33	\$0.38	\$0.48	(NA)	(NA)	(NA)
Employees, average number.....	40,148	35,709	34,514	35,388	36,489	37,575
Compensation.....	139	159	196	250	269	287

NA. Not available. ¹ Includes full trailers, not shown separately. Excludes equipment used under lease, including operations conducted under "purchased transportation" arrangements. ² Excludes carriers subject to ICC jurisdiction engaged preponderantly in local or suburban service and carriers engaged in transportation of both property and passengers. ³ Regular route intercity and local revenue. ⁴ Vehicles owned, leased, and operated under "purchase transportation" arrangements, operated in intercity revenue service. ⁵ Owned and leased vehicles.

Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 7.

No. 832. TRUCK CARRIERS—SELECTED OPERATING STATISTICS: 1963

[Represents motor carriers of property that render trucking services to the public, but are not subject to the Interstate Commerce Commission economic regulations. Covers carriers engaged in intrastate or local service and interstate carriers of nonmanufactured agricultural products and fish. These carriers account for 74 percent of all truck carriers and 21 percent of total operating revenues. Based on a sample and subject to sampling variability; see source for detailed explanation]

ITEM	Number of carriers	Total revenue (mil. dol.)	Number of employees, Nov. 15 (1,000)	VEHICLES OWNED OR LEASED (1,000)		
				Trucks	Truck tractors	Trailers (semi and full)
Total	42,986	2,299	199.3	111.8	60.9	84.0
FORM OF OWNERSHIP						
Corporation (incl. cooperatives).....	6,977	1,026	74.7	32.0	27.5	40.8
Individual owners.....	31,581	1,001	96.5	64.7	28.3	33.8
Partnership.....	4,428	272	28.1	15.1	7.1	9.4
TYPE OF OPERATION						
Common carrier.....	36,194	1,892	166.9	94.7	49.0	69.4
Contract carrier.....	6,792	407	32.4	17.1	11.9	14.6
AREA OF SERVICE						
Local.....	29,330	1,269	129.9	88.2	22.9	30.8
Intercity.....	13,656	1,030	69.4	23.6	38.0	53.2
LOCATION OF HOME OFFICE (geographic divisions)¹						
New England.....	2,124	76	8.2	5.2	1.4	1.8
Middle Atlantic.....	8,499	474	41.8	23.4	9.7	11.1
East North Central.....	8,599	467	39.7	23.2	14.0	20.7
West North Central.....	5,868	244	22.6	13.7	7.7	9.0
South Atlantic.....	4,858	231	22.3	13.1	5.3	5.7
East South Central.....	2,424	106	10.1	5.9	3.0	3.6
West South Central.....	3,336	187	16.9	8.0	6.7	7.9
Mountain.....	1,414	102	7.6	2.9	3.5	5.5
Pacific.....	5,864	412	30.1	16.4	9.6	18.7

¹ For composition of geographic divisions, see fig. I, p. xii.

No. 833. BUS CARRIERS—SELECTED OPERATING STATISTICS: 1963

[Based on a complete canvass made of bus firms listed from the active records of the Internal Revenue Service as subject to payment of Federal Insurance Contribution Act (FICA) taxes (i.e., employers of 1 or more persons). Represents nongovernmentally owned motor carriers of passengers, except those that are subject to the Interstate Commerce Commission economic regulations. They are engaged largely in local service. These carriers account for 86 percent of all bus carriers and 37 percent of total operating revenues]

ITEM	Number of carriers	Total revenue (\$1,000)	Total expenses (\$1,000)	Number of paid employees ¹	Number of buses
Total	1,320	400,032	371,589	47,201	25,292
PRINCIPAL TYPE OF SERVICE					
Local.....	895	351,314	326,109	42,078	21,623
Intercity.....	199	21,227	20,017	2,203	1,663
Charter.....	125	10,155	8,729	1,156	1,031
Other.....	101	17,336	16,734	1,764	975
CLASS OF OWNERSHIP					
Corporations.....	925	384,193	356,773	44,883	(²)
Individual proprietorships, partnerships, cooperatives.....	395	15,839	14,816	2,318	(²)
LOCATION OF HOME OFFICE (geographic divisions)³					
New England.....	74	15,634	15,232	2,059	1,399
Middle Atlantic.....	497	140,058	123,157	17,250	7,420
East North Central.....	177	65,713	63,025	7,720	4,523
West North Central.....	69	26,433	24,980	2,935	1,809
South Atlantic.....	164	47,754	46,238	5,547	3,294
East South Central.....	69	20,479	19,325	2,515	1,347
West South Central.....	81	32,389	31,119	3,683	2,304
Mountain.....	55	13,356	11,460	1,422	846
Pacific.....	134	38,225	37,053	4,070	2,360

¹ As of Nov. 15, 1963. ² Data not collected. ³ For composition of geographic divisions, see fig. I, p. xii.

Source of tables 832 and 833: Dept. of Commerce, Bureau of the Census; 1963 Census of Transportation, Vol. IV, *Motor Carrier Survey*.

No. 834. MOTOR-VEHICLE ACCIDENTS—PERSONS KILLED OR INJURED, BY CHARACTERISTICS OF ACCIDENTS: 1950 TO 1968

[Number in thousands. Estimates based on summaries of motor vehicle accidents prepared by various States]

CHARACTERISTIC	PERSONS KILLED					PERSONS INJURED				
	1950	1960	1965	1967	1968	1950	1960	1965	1967	1968
Number.....	36	38	49	53	55	1,800	3,078	4,100	4,200	4,400
Percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TYPE OF ACCIDENT										
Collision with—										
Automobile.....	35.0	39.5	41.2	40.6	41.6	57.5	74.9	72.5	75.3	72.3
Pedestrian.....	26.5	20.0	18.6	18.2	17.4	16.6	8.3	6.7	6.1	6.3
Fixed object.....	8.5	10.7	10.5	12.3	12.8	6.5	4.8	5.1	5.5	6.6
Other ¹	6.0	4.8	4.5	5.0	4.3	3.2	2.1	2.4	2.4	2.3
Noncollision.....	24.0	25.0	25.2	23.9	23.9	16.2	9.9	13.3	10.7	12.5
WEATHER CONDITION										
Clear.....	81.3	87.4	84.8	83.5	83.7	78.4	83.9	78.6	79.1	79.0
Fog.....	2.8	1.2	2.0	1.7	2.2	1.8	0.7	1.5	1.1	1.2
Rain.....	14.0	9.0	11.0	12.1	11.6	16.2	10.6	15.4	14.9	14.6
Snow.....	1.9	2.4	2.2	2.7	2.5	3.6	4.8	4.5	4.9	5.2
ROAD CONDITION										
Dry.....	75.1	79.2	77.4	77.4	76.5	68.7	71.5	69.1	68.6	68.0
Wet.....	21.4	15.1	17.9	18.0	19.0	24.5	16.5	22.4	22.9	23.0
Snowy.....	1.5	2.8	1.4	2.1	2.5	3.0	5.8	2.6	3.9	5.2
Icy.....	2.0	2.9	3.3	2.5	2.0	3.8	6.2	5.9	4.6	3.8
DAY OF ACCIDENT										
Sunday.....	20.1	17.7	18.7	17.5	17.9	17.7	15.2	13.6	13.9	14.4
Monday.....	12.4	11.5	10.9	11.6	11.4	13.2	13.5	13.2	12.4	12.6
Tuesday.....	10.8	11.6	10.0	10.6	10.5	11.8	12.2	11.9	11.9	11.7
Wednesday.....	11.6	10.5	11.2	10.4	10.8	12.1	12.1	12.9	12.9	12.1
Thursday.....	11.3	11.2	11.9	12.0	11.4	12.4	13.5	13.9	13.7	13.6
Friday.....	13.6	16.0	15.4	15.7	15.9	14.7	16.0	16.5	16.4	17.0
Saturday.....	20.2	21.5	21.9	22.2	22.1	18.1	17.5	18.0	18.8	18.6
HOUR OF ACCIDENT										
Midnight-6 a.m.....	21.6	22.3	22.2	22.5	21.7	12.7	10.9	10.7	11.3	11.7
6 a.m.-noon.....	14.8	15.6	14.8	15.2	15.0	19.2	22.0	21.8	20.8	20.7
Noon-6 p.m.....	28.3	27.8	28.7	28.2	29.4	38.6	40.5	39.7	39.7	39.6
6 p.m.-midnight.....	35.3	34.3	34.3	34.1	33.9	29.5	26.6	27.8	28.2	28.0
AGE OF VICTIMS										
Under 10 years.....	(NA)	(NA)	7.6	7.3	6.9	(NA)	(NA)	8.9	8.3	8.6
10-19 years.....	(NA)	(NA)	15.9	17.4	17.7	(NA)	(NA)	21.4	24.6	23.2
20-34 years.....	(NA)	(NA)	28.4	28.7	29.8	(NA)	(NA)	31.6	32.5	33.1
35-54 years.....	(NA)	(NA)	24.3	24.0	22.8	(NA)	(NA)	25.7	23.0	23.5
55 years and over.....	(NA)	(NA)	23.8	22.6	22.8	(NA)	(NA)	12.4	11.6	11.6

NA Not available. ¹ Railroad train, bicycle, other vehicle, and miscellaneous.

Source: The Travelers Insurance Companies, Hartford, Conn.; annual report, *The Travelers Book of Street and Highway Accident Data*.

No. 835. MOTOR-VEHICLE ACCIDENTS—NUMBER AND DEATHS, BY TYPE OF ACCIDENT: 1950 TO 1968

ITEM	1950	1955	1960	1964	1965	1966	1967	1968 (prel.)
Motor-vehicle accidents.....	1,000..	8,300	9,900	10,400	12,300	13,200	13,600	14,600
Accidents per 10,000 vehicles.....	1.7	1.6	1.4	1.4	1.4	1.4	1.4	1.4
Traffic deaths.....	34,800	38,400	38,100	47,700	49,200	53,000	52,900	55,200
Noncollision accidents.....	10,600	12,100	11,900	14,600	14,900	16,300	16,700	17,800
Collision accidents:								
With other motor vehicles.....	11,700	14,500	14,800	19,600	20,800	22,200	22,000	22,500
With pedestrians.....	9,000	8,200	7,800	9,000	8,900	9,400	9,400	9,800
With other vehicles or objects.....	3,500	3,600	3,600	4,500	4,600	5,100	4,820	5,100
Traffic death rates:								
Per 100,000 population.....	23.0	23.4	21.2	24.9	25.4	27.1	26.7	27.6
Per 10,000 motor vehicles.....	7.1	6.1	5.1	5.5	5.4	5.5	5.4	5.4
Per 100 million vehicle miles.....	7.6	6.4	5.3	5.5	5.5	5.7	5.5	5.5

Source: National Safety Council, Chicago, Ill.; annual report, *Accident Facts*. (Copyright.)

No. 836. DRIVER AND PEDESTRIAN ACTION IN ACCIDENTS: 1950 TO 1968

[Percent distribution. See headnote, table 834]

TYPE OF ACTION	PERSONS KILLED					PERSONS INJURED				
	1950	1960	1965	1967	1968	1950	1960	1965	1967	1968
DRIVER ACTION										
All persons.....1,000..	26.7	30.4	41.6	52.2	45.8	1,210	2,600	3,682	4,200	3,880
Percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Exceeded speed limit.....	49.8	36.1	41.1	39.0	40.8	39.3	38.5	42.2	20.9	20.0
On wrong side of road.....	17.8	17.0	16.4	13.1	14.2	8.7	6.7	6.8	5.2	5.6
Had not right-of-way.....	10.4	12.8	13.0	14.3	13.1	26.6	22.5	18.9	20.1	10.2
Drove off roadway.....	5.2	16.6	10.5	13.2	12.7	2.9	8.3	6.0	8.0	8.8
Reckless driving.....	8.5	12.5	14.9	15.4	14.7	9.0	13.5	19.2	38.9	30.7
Other ¹	8.3	5.0	4.1	5.9	4.5	13.5	10.5	6.0	6.0	5.8
PEDESTRIAN ACTION										
Pedestrians.....1,000..	9.4	7.6	9.0	9.5	9.6	300	256	275	256	277
Percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crossing at intersection:										
With signal.....	4.6	6.2	4.8	5.5	7.3	10.1	11.9	8.6	10.9	11.3
Against signal.....	6.3	7.1	8.6	8.5	8.3	9.4	8.5	9.5	11.5	11.4
No signal.....	13.5	15.9	7.4	0.6	9.4	13.6	12.3	8.1	8.3	10.2
Crossing between intersections.....	39.8	37.1	40.8	41.6	40.6	26.1	32.2	31.6	23.8	25.3
Children playing in street.....	5.8	5.3	3.3	2.0	3.1	16.6	6.6	6.3	6.0	5.0
At work in road.....	3.1	2.9	2.8	2.4	3.1	2.7	2.2	1.8	1.8	1.0
Coming from behind parked car.....	6.7	6.2	6.0	3.4	3.1	9.1	15.7	16.8	13.2	11.7
Walking on rural highway.....	13.0	10.0	15.6	14.1	14.1	2.3	2.4	7.6	7.7	6.9
Not on roadway.....	3.5	4.2	4.7	4.2	3.7	6.5	4.5	3.6	4.8	5.8
Other ²	3.7	5.1	5.1	7.8	7.3	3.6	3.7	6.1	12.0	10.6

¹ Cutting in; improper passing; no or improper signalling; movement of driverless car; miscellaneous.² Standing on safety isle; getting on or off other vehicle; riding or hitching on vehicle; miscellaneous.Source: The Travelers Insurance Companies, Hartford, Conn.; annual report, *The Travelers Book of Street and Highway Accident Data*.

No. 837. DEATHS FROM MOTOR-VEHICLE ACCIDENTS—PLACE OF DEATH, BY STATES: 1950 TO 1967

STATE	1950	1955	1960	1965	1967	STATE	1950	1955	1960	1965	1967
U.S. ¹	34,763	38,426	38,137	49,163	52,924	Mo.....	902	1,079	1,078	1,387	1,380
Ala.....	859	859	926	1,248	1,204	Mont.....	209	244	231	289	338
Alaska.....	22	31	43	57	53	Nebr.....	317	331	310	411	464
Ariz.....	333	384	507	555	612	Nev.....	122	186	182	215	190
Ark.....	365	447	449	635	669	N.H.....	103	110	103	148	162
Calif.....	3,082	3,824	3,837	4,804	5,050	N.J.....	715	815	764	1,104	1,106
Colo.....	415	455	443	557	611	N. Mex.....	340	383	427	517	453
Conn.....	287	353	303	415	466	N.Y.....	1,961	2,163	2,034	2,798	2,960
Del.....	84	112	91	126	142	N.C.....	1,153	1,222	1,281	1,723	1,815
D.C.....	102	99	82	99	142	N. Dak.....	105	153	166	176	213
Fla.....	882	1,048	1,303	1,702	1,839	Ohio.....	1,850	2,089	1,933	2,333	2,452
Ga.....	928	1,122	1,079	1,403	1,644	Okla.....	504	569	686	780	866
Hawaii.....	74	64	111	110	150	Oreg.....	461	434	469	717	690
Idaho.....	243	184	231	262	274	Pa.....	1,656	1,872	1,685	2,167	2,474
Ill.....	1,953	1,877	1,564	2,197	2,469	R.I.....	87	94	60	102	112
Ind.....	1,136	1,189	1,164	1,550	1,614	S.C.....	627	696	690	847	865
Iowa.....	620	613	644	831	840	S. Dak.....	198	200	241	252	232
Kansas.....	546	613	535	684	686	Tenn.....	801	968	899	1,265	1,407
Ky.....	753	907	808	943	880	Tex.....	2,499	2,602	2,816	3,067	3,391
La.....	585	703	849	1,122	1,057	Utah.....	199	211	260	314	206
Maine.....	161	177	181	227	1,232	Vt.....	69	87	104	136	131
Md.....	480	500	527	710	259	Va.....	929	909	782	1,072	1,220
Mass.....	492	621	621	888	806	Wash.....	534	514	597	768	917
Mich.....	1,827	2,036	1,634	2,134	920	W. Va.....	400	398	371	507	575
Minn.....	553	613	750	897	2,124	Wis.....	857	954	926	1,055	1,144
Miss.....	525	562	669	723	1,017	Wyo.....	149	145	182	184	154
					926						

¹ Prior to 1960, excludes Alaska and Hawaii.Source: Dept. of Health, Education, and Welfare, Public Health Service; annual report, *Vital Statistics of the United States*.

No. 838. RAILROADS—SUMMARY STATISTICS: 1930 TO 1967

[As of December 31. Prior to 1960, excludes Alaska and Hawaii. Includes intercorporate duplications. See also *Historical Statistics, Colonial Times to 1967*, series Q 44-124]

ITEM	1930	1940	1950	1960	1964	1965	1966	1967
Operating companies ¹number.....	775	574	471	407	380	372	375	370
Road owned, first track ²miles.....	249,052	233,670	223,779	217,552	212,059	211,384	210,573	209,292
Miles operated: ³								
Total, reporting railroads ⁴	429,883	405,975	396,380	381,745	372,300	370,636	370,104	368,030
Road, first track ⁴	260,440	245,740	236,857	230,169	226,753	226,015	225,528	224,039
Other main tracks.....	42,742	41,373	40,456	34,800	31,535	31,113	30,906	30,387
Yardtrack and sidings.....	126,701	118,862	119,067	116,776	114,012	113,508	113,670	113,004
Miles of road operated by receivers or trustees.....	9,486	75,270	12,223	1,259	1,732	1,690	1,612	2,476
Equipment:								
Locomotives in service.....number.....	60,189	44,333	42,951	31,178	30,296	30,081	30,124	29,874
Average tractive effort ⁵pounds.....	45,225	50,905	57,075	61,314	62,311	63,096	70,900	65,267
Cars in service:								
Passenger-train.....number.....	53,584	38,308	37,359	25,746	21,510	20,022	18,974	17,822
Freight train ⁷1,000.....	2,322	1,684	1,746	1,690	1,518	1,515	1,524	1,511
Average capacity ⁸tons.....	46.9	50.0	52.6	55.4	58.2	59.8	61.4	63.4
Capital and property investment: ⁹								
Road and equipment, book value ⁹								
Depreciation reserve ¹⁰mil. dol.....	26,051	25,646	30,174	35,513	34,869	35,489	36,618	37,251
Capitalization outstanding ¹¹mil. dol.....	2,361	3,095	6,629	8,532	9,265	9,542	9,479	9,665
Capital surplus and retained income.....mil. dol.....	22,783	21,047	18,274	16,134	14,876	14,857	14,800	14,690
Stock paying dividends.....mil. dol.....	5,345	2,783	7,037	11,356	12,584	12,945	13,338	13,078
Dividends declared.....mil. dol.....	7,702	3,741	6,709	5,617	4,927	4,545	4,709	4,728
Interest accrued on funded debt.....mil. dol.....	603	217	349	412	492	533	548	582
Income and expenses:								
Operating revenues.....mil. dol.....	5,356	4,355	9,587	9,642	9,985	10,425	10,880	10,582
Operating expenses.....mil. dol.....	3,994	3,132	7,135	7,657	7,830	8,003	8,277	8,359
Tax accruals.....mil. dol.....	354	403	1,212	1,020	891	949	1,002	941
Net railway operating income.....mil. dol.....	874	691	1,055	595	828	980	1,065	690
Net income ⁸mil. dol.....	578	243	855	473	733	866	957	368
Passenger service:								
Passenger revenue.....mil. dol.....	731	418	815	641	579	556	547	489
Passengers carried.....millions.....	708	456	488	327	314	306	308	304
Passenger-miles.....millions.....	26,876	23,816	31,790	21,284	18,271	17,454	17,162	15,264
Commutation ¹²millions.....	6,669	3,997	4,990	4,197	4,199	4,128	4,193	4,281
Coach ¹²millions.....	(NA)	12,485	17,443	13,422	11,632	11,069	10,799	9,329
Parlor and sleeping car ¹²millions.....	(NA)	7,288	9,338	3,643	2,416	2,191	2,104	1,592
Revenue per passenger-mile.....cents.....	2.72	1.76	2.56	3.01	3.17	3.19	3.10	3.20
Average journey per passenger.....miles.....	37.96	52.22	65.14	65.05	58.12	57.07	55.72	50.21
Freight service:								
Freight revenue.....mil. dol.....	4,145	3,584	7,934	8,152	8,575	9,037	9,487	9,329
Revenue-tons originated.....millions.....	1,220	1,069	1,421	1,301	1,420	1,479	1,544	1,498
Tons carried one mile.....millions.....	385,815	375,369	591,550	575,360	662,089	705,705	746,699	727,075
Revenue ton-miles per mile of road.....1,000.....	1,481	1,526	2,497	2,497	2,918	3,121	3,312	3,238
Revenue per ton-mile.....cents.....	1.074	0.955	1.341	1.417	1.295	1.281	1.271	1.283
Haul per ton.....miles.....	316.21	351.13	416.32	442.14	466.17	477.15	483.70	485.21
Number of employees, average, 1,000.....	1,517	1,046	1,237	793	675	655	645	624
Compensation of employees.....mil. dol.....	2,589	1,991	4,645	4,957	4,758	4,887	4,975	5,026
Accidents: ¹³								
Persons killed.....number.....	5,665	4,740	3,398	2,248	2,423	2,399	2,684	2,483
Persons injured.....number.....	49,443	29,606	33,255	19,577	27,614	25,789	25,652	24,523

NA Not available. ¹ Line-haul operating.

² Excludes all duplications; also excludes some mileage in Canada.

³ Includes some duplication under trackage rights and some mileage in Canada.

⁴ Excludes circular and unofficial.

⁵ 1930-1950 average for steam locomotives only; beginning 1960, all locomotives.

⁶ Covers class I railroads, excluding switch and terminal companies. ⁷ Excludes caboose cars.

⁸ Includes lessors. 1967 data represent income after extraordinary and prior period items.

⁹ Increase in investment over a period of years cannot be obtained accurately by subtraction of 1 year's investment from that of another owing to reorganization, sale or abandonment, reclassification, etc. Includes lessor and proprietary companies.

¹⁰ For 1950 and later years, includes amortization of defense projects and proprietary companies.

¹¹ Comprises common stock, preferred stock, and funded debt unmaturing. ¹² Class I railroads.

¹³ Source: Dept. of Transportation, Federal Railroad Administration, annual report, *Accident Bulletin*. Includes highway grade crossing casualties.

Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1, and *Accident Bulletin*, except as noted.

No. 839. RAILROAD COMPANIES, BY CLASS: 1950 TO 1967

(Prior to 1960, excludes Alaska and Hawaii. See text, p. 538, for explanation of class limits)

CLASS OF COMPANY	1950	1955	1960	1963	1964	1965	1966	1967
Total	1,038	935	842	807	772	763	758	753
Class I line-haul operating.....	127	126	108	102	98	76	76	76
Lessors to class I.....	179	155	128	121	122	116	116	115
Class II line-haul operating.....	171	155	304	290	287	302	302	298
Lessors to class II.....	6	8	8	10	10	15	15	15
Class III ¹	175	163	(X)	(X)	(X)	(X)	(X)	(X)
Switching and terminal ²	253	237	221	215	207	205	202	202
Proprietary ³	100	67	53	47	46	45	44	44
Circular.....	18	18	21	17	-	-	-	-
Unofficial.....	9	6	1	5	2	4	3	3

- Represents zero. X Not applicable. ¹ Classification terminated in 1956.² Includes operating, lessor, proprietary, circular, and unofficial companies.³ Excludes those in systems which file consolidated reports combining mileage, investment, and other items on a net system basis.Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1955, *Transport Statistics in the United States*, Part 1.

No. 840. RAILROADS—EQUIPMENT IN SERVICE: 1950 TO 1967

(Prior to 1960, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series Q 53-55)

ITEM	1950	1955	1960	1964	1965	1966	1967
Locomotives	42,951	33,533	31,178	30,296	30,061	30,124	29,374
Steam.....	26,680	6,266	374	93	89	76	67
Electric.....	827	639	498	402	365	347	324
Diesel.....	15,396	26,563	30,240	29,745	29,552	29,644	29,428
Other.....	48	65	66	56	55	57	65
New units installed ¹	3,215	1,097	389	963	1,387	1,154	987
Freight cars ²	1,745,778	1,723,747	1,690,396	1,517,564	1,515,169	1,523,741	1,510,963
Box.....	718,150	723,962	700,331	603,828	593,198	591,993	576,957
Gondola and hopper.....	874,801	845,809	831,473	753,957	753,892	756,201	755,444
Other.....	152,827	153,976	158,592	159,779	168,079	175,547	178,562
Aggregate capacity ¹1,000 tons	90,465	91,229	91,948	86,672	88,323	91,441	93,969
Average capacity ¹ tons	62.6	63.7	55.4	58.2	59.8	61.4	63.4
New units installed ¹	40,032	29,070	54,032	52,308	62,859	56,480	60,289
Passenger-train cars	37,359	32,118	25,746	21,510	20,022	18,974	17,322
Coaches.....	16,488	13,543	10,287	8,739	8,086	7,754	7,468
Average seating capacity ¹	75	75	76	79	76	76	81
Baggage, express, and other non-passenger.....	13,817	13,388	10,077	8,534	8,411	7,943	7,431
Other.....	7,054	5,187	5,382	3,937	3,525	3,277	2,923
New units installed ¹	1,078	412	251	399	666	113	146
Air-conditioned cars ³	16,747	14,784	11,787	8,980	8,079	7,589	7,159

¹ Class I railroads. ² Excludes caboose cars. ³ Class I railroads and Pullman Company.Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1.

No. 841. RAILROADS (CLASS I)—FUEL AND POWER CONSUMED AND RAILS AND TIES LAID: 1950 TO 1967

(Line-haul railroads only. See text, p. 538, for explanation of class limits. See *Historical Statistics, Colonial Times to 1957*, series Q 123-137, for related data)

ITEM	1950	1955	1960	1965	1966	1967
Fuel and power consumed:						
Coal.....1,000 short tons..	55,452	11,427	39	4	3	2
Fuel oil.....mil. gal.....	2,284	376	89	77	65	47
Diesel oil.....mil. gal.....	1,827	3,393	3,472	3,742	3,925	3,889
Electricity.....mil. kw.-hr.....	2,260	2,082	1,641	1,509	1,498	1,411
Rails and ties laid:						
Rails (replacement and betterment).....1,000 short tons..	2,454	1,890	915	1,022	1,108	987
Ties (in previously constructed tracks):						
Crossties.....1,000.....	30,494	24,149	14,319	14,760	15,324	15,063
Switch and bridge ties.....1,000 board ft.....	98,400	79,098	49,902	48,169	46,753	48,552

Source: Interstate Commerce Commission; *Annual Report and Transport Statistics in the United States*, Part 1

No. 842. RAILROADS—MILES OF ROAD OWNED, STATES: 1940 TO 1967

[As of December 31. Data are for actual length of line owned by line-haul companies in each State without duplication]

STATE	1940	1950	1960	1967	STATE	1940	1950	1960	1967
U. S.	234,398	224,371	217,552	209,292	S. A.—Con.				
N. E.	6,677	6,396	6,088	5,673	W. Va.	3,831	3,719	3,681	3,569
Maine.....	1,882	1,830	1,784	1,679	N. C.	4,668	4,435	4,310	4,222
N. H.	1,002	986	854	815	S. C.	3,466	3,223	3,284	3,140
Vt.	919	889	811	770	Ga.	6,334	6,043	5,854	5,474
Mass.	1,793	1,726	1,633	1,520	Fla.	5,218	4,793	4,655	4,469
R. I.	104	185	181	155	E. S. C.	16,179	15,574	15,233	15,046
Conn.	887	830	825	784	Ky.	3,691	3,641	3,526	3,529
M. A.	20,175	19,180	17,469	15,955	Tenn.	3,573	3,471	3,402	3,285
N. Y.	7,739	7,493	6,463	5,689	Ala.	4,996	4,723	4,646	4,579
N. J.	2,108	1,992	1,914	1,789	Miss.	3,919	3,739	3,650	3,653
Pa.	10,328	9,695	9,092	8,477	W. S. C.	31,497	29,771	28,341	26,975
E. N. C.	41,231	39,851	38,949	37,825	Ark.	4,482	4,104	3,872	3,611
Ohio.....	8,501	8,418	8,322	8,031	La.	4,357	4,079	3,937	3,807
Ind.	6,889	6,652	6,593	6,488	Okla.	6,302	5,977	5,777	5,506
Ill.	11,949	11,643	11,201	10,928	Tex.	16,356	15,611	14,755	14,051
Mich.	7,303	6,803	6,640	6,372	Mt.	23,518	22,101	21,355	20,882
Wis.	6,639	6,335	6,193	6,006	Mont.	5,149	5,059	4,962	4,937
W. N. C.	48,293	47,108	46,367	45,047	Idaho....	2,746	2,713	2,685	2,688
Minn.	8,421	8,333	8,174	7,990	Wyo.	2,008	1,925	1,882	1,848
Iowa.....	8,950	8,585	8,561	8,291	Colo.	4,552	4,273	3,786	3,746
Mo.	7,042	6,735	6,582	6,414	N. Mex.	2,812	2,496	2,473	2,325
N. Dak.	5,268	5,256	5,194	5,165	Ariz.	2,228	2,197	2,184	2,052
S. Dak.	4,006	3,958	3,920	3,818	Utah.....	2,082	1,788	1,736	1,771
Nebr.	6,044	5,800	5,721	5,498	Nev.	1,941	1,650	1,647	1,635
Kans.	8,564	8,441	8,215	7,871	Pac.	17,303	16,466	16,388	15,539
S. A.	29,475	27,924	27,362	26,350	Wash.	5,243	5,124	4,987	4,943
Del.	295	295	293	292	Oreg.	3,385	3,217	3,174	3,091
Md.	1,367	1,309	1,141	1,128	Calif.	7,947	7,533	7,630	7,485
D. C.	35	34	31	31	Alaska....	536	567	572	20
Va.	4,261	4,073	4,113	4,025	Hawaii....	192	25	25	-

Represents zero.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1960, *Transport Statistics in the United States*, Part 1.

No. 843. RAILROADS (CLASS I)—REVENUES, EXPENSES, INCOME, AND CAPITAL EXPENDITURES: 1950 TO 1968

[In millions of dollars. See text, p. 538, for explanation of class limits. See also *Historical Statistics, Colonial Times to 1967*, series Q 103-117]

ITEM	1950	1955	1960	1964	1965	1966	1967	1968 ¹
Operating revenues.....	9,473	10,106	9,514	9,857	10,208	10,655	10,377	10,855
Freight.....	7,817	8,538	8,025	8,455	8,836	9,281	9,141	9,750
Passenger.....	813	743	640	578	553	544	485	444
Mail.....	374	287	331	329	311	304	264	195
Express.....	81	118	100	80	77	67	61	44
Other.....	387	420	417	414	431	459	426	421
Operating expenses.....	7,059	7,646	7,565	7,738	7,850	8,118	8,211	8,579
Maintenance.....	2,995	3,175	2,952	2,990	3,011	3,148	3,159	3,318
Way and structures.....	1,287	1,387	1,192	1,226	1,236	1,304	1,290	1,405
Equipment.....	1,708	1,788	1,760	1,764	1,775	1,844	1,869	1,913
Traffic.....	192	235	258	262	265	265	270	274
Transportation, rail line.....	3,491	3,770	3,833	3,921	4,020	4,139	4,189	4,354
Miscellaneous operations.....	110	108	82	68	67	66	60	52
General.....	271	357	441	501	490	500	534	580
Net revenue from railway operations.....	2,414	2,466	1,951	2,119	2,358	2,539	2,166	2,276
Tax accruals.....	1,195	1,081	999	871	916	968	911	946
Operating income.....	1,219	1,385	952	1,248	1,442	1,570	1,254	1,330
Net railway operating income.....	1,040	1,128	584	818	962	1,046	678	680
Ratio of expenses to revenues (percent).....	74.5	75.6	79.5	78.5	76.9	76.2	79.1	79.0
Expenditures for capital improvements.....	1,065	908	919	1,417	1,631	1,963	1,522	1,187
Equipment.....	779	568	633	1,140	1,304	1,564	1,148	819
Roadway and structures.....	286	340	286	278	327	399	1,374	368

¹ Preliminary.Source: Interstate Commerce Commission; *Annual Report, Statement Q 100*, and *Statement Q 125*.

No. 844. RAILROADS (CLASS I)—SELECTED FREIGHT STATISTICS: 1950 TO 1968

[Excludes switching and terminal roads. Tons of 2,000 pounds. See text, p. 538, for explanation of class limits. See also *Historical Statistics, Colonial Times to 1957*, series Q 93]

ITEM	1950	1955	1960	1965	1966	1967	1968
Average miles of road operated.....	225,339	223,291	219,381	212,133	211,474	211,835	211,181
Operating revenue.....mil. dol.	7,817	8,538	8,025	8,836	9,281	9,180	9,761
Per ton-mile.....cents.	1.33	1.37	1.40	1.27	1.26	1.27	(NA)
Per ton per road.....dollars.	3.04	3.25	3.51	3.48	3.52	3.55	(NA)
Revenue-tons:							
Originated.....millions..	1,354	1,393	1,241	(NA)	(NA)	(NA)	(NA)
Carried.....millions..	2,570	2,607	2,281	2,539	2,638	2,570	2,596
Carried 1 mile.....millions..	588,578	623,615	572,309	697,736	738,252	719,397	744,479
Miles per revenue-ton per road (average haul).....	229.0	237.6	250.9	274.8	279.9	279.9	(NA)
Freight train miles.....millions..	515	476	405	421	437	420	429
Freight train car-miles:							
Loaded, revenue and nonrevenue.....millions..	19,644	20,099	17,287	17,885	18,304	17,449	17,825
Empty.....millions..	10,140	11,054	10,872	11,420	12,034	12,183	12,233
Net ton-miles per train-mile ¹	1,224	1,374	1,466	1,685	(NA)	(NA)	1,788
Net ton-miles per loaded car-mile ¹	31.7	32.0	33.9	39.7	(NA)	(NA)	42.6
Train-miles per train-hour.....	16.8	18.6	19.5	20.1	20.3	20.3	20.4

NA Not available. ¹ Revenue and nonrevenue freight.

Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1, and unpublished data.

No. 845. RAILROADS (CLASS I)—CARS OF REVENUE FREIGHT LOADED, BY PRINCIPAL COMMODITIES: 1940 TO 1968

[In thousands. Figures are 52-week totals. See text, p. 538, for explanation of class limits]

YEAR	Total	Grain and grain products	Live-stock	Coal	Coke	Forest products	Ore	Miscellaneous	Mdse., less than carload	Cars loaded with highway trailers
1940.....	36,358	1,835	685	6,820	549	1,800	2,148	14,842	7,679	(NA)
1945.....	41,918	2,734	894	8,296	695	2,039	2,474	19,258	5,529	(NA)
1950.....	38,903	2,466	491	7,240	727	2,226	2,529	18,955	4,269	(NA)
1955.....	37,636	2,633	441	6,508	616	2,275	2,846	19,087	3,230	168
1960.....	30,441	2,786	259	5,318	403	1,950	2,209	15,707	1,809	554
1965.....	29,248	2,662	125	5,555	428	1,978	1,956	16,084	459	1,034
1966.....	29,623	2,877	109	5,587	434	1,995	2,131	16,162	328	1,163
1967.....	28,084	2,458	87	5,532	374	2,021	1,840	15,528	244	1,207
1968.....	28,231	2,258	74	5,205	401	2,128	1,845	16,116	205	1,337

NA Not available.

Source: Association of American Railroads, Car Service Division, Washington, D.C.; annual report, *Cars of Revenue Freight Loaded*. Weekly reports are published currently.

No. 846. RAILROADS (CLASS I)—SELECTED PASSENGER STATISTICS: 1950 TO 1968

[See text, p. 538, for explanation of class limits. See also *Historical Statistics, Colonial Times to 1967*, series Q 87-99]

ITEM	1950	1955	1960	1965	1967	1968 (prel.)
Average miles of road operated.....	150,349	120,711	94,117	76,993	67,827	59,259
Passenger revenue.....mil. dol.	813	743	640	553	485,224	444,075
Revenue per passenger-mile:						
Including commutation passengers.....cents.	2.56	2.60	3.01	3.18	3.19	(NA)
Excluding commutation passengers.....cents.	2.74	2.70	3.03	3.14	3.13	(NA)
Revenue passengers carried.....millions..	486	432	326	299	297	296
Revenue passenger-miles.....millions..	31,760	28,526	21,258	17,389	15,201	13,120
Revenue passenger-miles per train-mile.....	88.5	95.2	100.9	100.0	(NA)	(NA)
Revenue passenger-miles per car-mile.....	17.0	17.8	19.3	20.9	(NA)	(NA)
Average journey per passenger per road.....miles..	65.3	66.1	65.3	58.2	(NA)	(NA)
Passenger-train miles.....millions..	358	299	209	172	150	123
Passenger-carrying car-miles.....millions..	1,855	1,571	1,101	832	(NA)	(NA)
Train-miles per train-hour.....	37.4	39.8	40.7	41.3	41.7	41.0

NA Not available.

Source: Interstate Commerce Commission; *Annual Report*, and *Transport Statistics in the United States*, Part 1, and unpublished data.

No. 847. RAILROADS—EMPLOYEES, HOURS, AND COMPENSATION: 1950 to 1968

[Excludes switching and terminal roads. See also *Historical Statistics, Colonial Times to 1957*, series Q141-142]

YEAR	ALL OPERATING CARRIERS ¹		CLASS I CARRIERS ²					
	Average number of employees	Total yearly compensation (\$1,000)	Average number of employees	Total hours (1,000)	Total yearly compensation (\$1,000)	Average hours per employee	Average compensation	
							Per hour ³	Per year
1950.....	1,236,879	4,644,890	1,220,401	2,876,591	4,594,423	2,357	\$1.60	\$3,765
1955.....	1,071,887	5,045,278	1,057,866	2,502,608	4,992,235	2,366	2.00	4,719
1960.....	793,071	4,956,902	780,494	1,840,615	4,893,558	2,358	2.66	6,270
1963.....	690,585	4,690,053	680,039	1,640,868	4,629,566	2,414	2.82	6,810
1964.....	675,348	4,757,589	665,034	1,619,804	4,697,884	2,436	2.90	7,064
1965.....	654,670	4,886,740	639,961	1,564,736	4,793,066	2,448	3.06	7,490
1966.....	645,336	4,974,510	630,895	1,541,093	4,879,273	2,443	3.17	7,784
1967.....	623,637	5,026,155	610,191	1,466,420	4,993,663	2,403	3.36	8,085
1968.....	(NA)	(NA)	590,536	1,441,849	5,110,636	2,442	3.54	8,654

NA Not available. ¹ Prior to 1960, excludes Alaska and Hawaii.² See text, p. 538, for explanation of class limits.³ Calculated for all classes of employees, including those not paid on an hourly basis.Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1, and Statement No. M-300.

No. 848. RAILROAD ACCIDENTS—PERSONS KILLED AND INJURED, BY TYPE OF ACCIDENT: 1950 TO 1967

[Prior to 1960, excludes Alaska and Hawaii. Covers all reportable accidents, i.e., those resulting in personal casualty or in damage to railroad property exceeding amounts specified by Federal Railroad Administration. See also *Historical Statistics, Colonial Times to 1957*, series Q 143 and 144]

YEAR	TOTAL		TRAIN		TRAIN SERVICE				NONTRAIN	
	Killed	Injured	Killed	Injured	Total		Grade crossing (train and train service)		Killed	Injured
					Killed	Injured	Killed	Injured		
1950.....	3,398	33,255	336	2,315	2,921	19,454	1,576	4,368	141	11,486
1955.....	2,667	27,832	259	1,183	2,316	16,856	1,446	4,014	92	9,793
1960.....	2,248	19,577	156	847	2,042	12,877	1,364	3,424	50	5,853
1965.....	2,399	25,789	191	864	2,136	16,577	1,534	3,801	72	8,348
1966.....	2,684	25,552	214	900	2,387	16,489	1,780	4,043	83	8,163
1967.....	2,483	24,523	170	754	2,238	15,888	1,633	3,847	75	7,881

Source: 1950-1965, Interstate Commerce Commission; annual report, *Accident Bulletin*. Beginning 1966, Dept. of Transportation, Federal Railroad Administration; annual report, *Accident Bulletin*.

No. 849. HIGHWAY GRADE CROSSINGS—NUMBER AND ACCIDENTS: 1950 TO 1967

[Prior to 1960, excludes Alaska and Hawaii. Covers all railroads, except as noted. See also headnote, table 848. See also *Historical Statistics, Colonial Times to 1967*, series Q 125-127]

YEAR	HIGHWAY GRADE CROSSINGS ¹			ACCIDENTS				
	Total	Specially protected ²	Eliminated by separation of grades	Number	All persons		Involving motor vehicles	
					Number killed	Number injured	Persons killed	Persons injured
1950.....	227,364	35,968	61	4,000	1,576	4,368	1,393	4,206
1955.....	226,318	39,060	84	3,846	1,446	4,014	1,313	3,886
1960.....	224,513	42,267	102	3,195	1,364	3,424	1,254	3,277
1965.....	215,961	44,333	59	3,820	1,534	3,801	1,434	3,663
1966.....	214,417	44,432	178	4,097	1,780	4,043	1,634	3,908
1967.....	214,641	44,457	132	3,955	1,633	3,847	1,503	3,703

¹ Class I railroads only. ² Includes crossings with operated gates or watchmen, or both, during at least part of day; and those with audible or visible signals, or both. Excludes those with fixed signs only.Source: Interstate Commerce Commission; annual reports, *Accident Bulletin*, *Statistics of Railways in the United States*, and, beginning 1955, *Transport Statistics in the United States*, Part 1. Beginning 1966, accident data from Dept. of Transportation, Federal Railroad Administration; annual report, *Accident Bulletin*.

No. 850. PULLMAN COMPANY OPERATIONS: 1940 TO 1967

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series Q 138-140]

YEAR	Average miles of road over which operations conducted	Revenue-passenger miles ¹ (millions)	Employees, annual average	YEAR	Average miles of road over which operations conducted	Revenue-passenger miles ¹ (millions)	Employees, annual average
1940.....	109,595	8,214	20,877	1963.....	59,798	2,516	5,902
1945.....	95,765	27,276	41,601	1964.....	52,994	2,218	5,544
1950.....	102,722	10,558	22,820	1965.....	51,057	2,014	5,347
1955.....	89,124	6,882	18,061	1966.....	45,807	1,969	4,905
1960.....	67,467	3,358	7,320	1967.....	42,713	1,434	4,179

¹ Includes operations on Canadian and Mexican railroads; excludes chartered car operations.Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1955, *Transport Statistics in the United States*. (1955-1962, Part 2; beginning 1963, Part 1.)

No. 851. PETROLEUM PIPELINE COMPANIES—SUMMARY OF SELECTED FINANCIAL DATA: 1940 TO 1967

[In thousands of dollars, except miles of line operated. Prior to 1960, excludes Alaska and Hawaii. Refers to pipeline companies operating in interstate commerce and subject to jurisdiction of Interstate Commerce Commission. See *Historical Statistics, Colonial Times to 1957*, series Q 342, for miles of line operated]

YEAR	Miles of line operated	Investment in carrier property	Other investments	Total current assets	Pipeline operating revenues	Pipeline operating expenses	Pipeline operating income	Net income
1940.....	100,156	841,977	64,095	47,163	225,760	101,919	82,558	79,857
1945.....	113,351	1,042,523	86,713	115,370	304,268	191,688	67,127	65,941
1950.....	128,589	1,655,973	100,798	192,291	441,627	254,701	89,047	81,303
1955.....	140,374	2,585,565	80,679	352,762	677,065	346,985	176,257	153,334
1960.....	151,968	3,299,501	113,504	393,028	770,417	417,640	198,911	169,398
1964.....	159,583	4,040,385	¹ 52,535	530,431	865,079	² 502,456	362,623	209,527
1965.....	161,412	4,177,562	¹ 59,060	555,254	903,817	² 515,113	388,705	217,761
1966.....	163,155	4,433,271	¹ 75,730	572,110	941,138	² 533,043	408,096	236,001
1967.....	165,478	4,744,502	¹ 110,246	519,438	994,520	² 564,420	430,100	200,880

¹ Represents investments and special funds. ² Includes pipe-line taxes but not Federal income taxes.

No. 852. PETROLEUM PIPELINES—OIL TRANSPORTED: 1950 TO 1967

[Prior to 1960, excludes Alaska and Hawaii. See headnote, table 851. See *Historical Statistics, Colonial Times to 1957*, series Q 343-344, for oil originated]

ITEM	1950	1955	1960	1964	1965	1966	1967
Number of companies.....	76	84	87	90	89	87	90
Mileage operated.....	128,589	140,374	151,968	159,583	161,412	163,155	165,478
Gathering lines.....	47,593	50,645	49,401	46,886	46,840	47,352	47,456
Trunk lines.....	80,996	89,729	102,567	112,697	114,772	115,803	118,022
Oil transported (million bbl.):							
Total received into system.....	2,766	4,058	4,783	5,576	5,868	6,252	6,814
From connecting carriers.....	944	1,434	1,636	1,628	1,620	1,651	1,761
Crude oil.....	879	1,299	1,402	1,412	1,385	1,388	1,456
Refined oils.....	65	134	234	216	235	263	305
Originated.....	1,822	2,624	3,147	3,948	4,247	4,600	5,052
Crude oil.....	1,525	2,038	2,239	2,587	2,618	2,826	3,017
Refined oils.....	297	586	909	1,361	1,629	1,774	2,035
Total delivered out of system.....	2,740	4,039	4,783	5,565	5,864	6,238	6,800
To connecting carriers.....	937	1,444	1,639	1,684	1,757	1,770	1,890
Crude oil.....	874	1,329	1,400	1,387	1,361	1,370	1,423
Refined oils.....	63	115	240	297	396	401	467
Terminated.....	1,803	2,595	3,144	3,881	4,107	4,468	4,910
Crude oil.....	1,510	1,992	2,253	2,590	2,641	2,833	3,047
Refined oils.....	293	603	891	1,292	1,466	1,635	1,863
Trunk-line movement (million bbl.):							
Crude oil.....	1,977	2,781	3,091	3,446	3,505	3,661	3,886
Refined oils.....	360	717	1,124	1,601	1,872	2,050	2,339
Trunk-line barrel-miles (billions):							
Crude oil.....	577	839	976	1,062	1,121	1,181	1,207
Refined oils.....	107	205	304	449	627	720	925

Source of tables 851 and 852: Interstate Commerce Commission; annual reports, *Statistics of Oil Pipeline Companies*, and, beginning 1955, *Transport Statistics in the United States*, Part 6.

Section 22

Transportation—Air and Water

This section presents statistics on civil air transportation, both passenger and cargo, and on water transportation, including inland waterways, oceanborne commerce, the merchant marine, cargo and vessel tonnages, and shipbuilding. The principal sources of these data are the annual *FAA Statistical Handbook of Aviation*, issued by the Federal Aviation Administration; the annual *Waterborne Commerce of the United States* and the *Annual Report of the Chief of Engineers*, Part 2, issued by the Corps of Engineers of the Department of the Army; the monthly and annual *U.S. Waterborne Foreign Trade*, and *U.S. Airborne Foreign Trade*, issued by the Bureau of the Census; and the annual *Merchant Marine Statistics*, issued by the Bureau of Customs.

Data on air transportation are also presented in *Air Transport Facts and Figures*, published annually by the Air Transport Association of America, Washington, D.C. Additional sources of data on water transportation include *A Statistical Analysis of the World's Merchant Fleets*, issued periodically by the Maritime Administration of the Department of Commerce; *The Bulletin*, issued monthly by the American Bureau of Shipping, New York; and the *Annual Summary of Merchant Ships Launched in the World* and the *Register Book* published by Lloyd's Register of Shipping, London, England. The 1821 through 1946, the 1946-1963, and the 1964 issues of *Foreign Commerce and Navigation of the United States*, published by the Bureau of the Census, are basic sources of historical data. Data relating to merchandise exports and imports are in section 30 of this *Abstract*, Foreign Commerce and Aid.

Civil aviation.—Federal promotion and regulation of civil aviation are carried out by the Federal Aviation Administration and the Civil Aeronautics Board. The Board issues certificates permitting persons to engage in air transportation as a business, fixes air mail rates which they may charge, and may establish maximum and minimum rates for transportation of passengers and goods. It also has the duty of investigating accidents in air transportation.

The principal activities of the Federal Aviation Administration are: Controlling the use of navigable airspace; prescribing regulations dealing with the competency of airmen, airworthiness of aircraft, and air traffic control; operation of air route traffic control centers, airport traffic control towers, and flight service stations; the design, construction, maintenance, and inspection of navigation, traffic control, and communications equipment for the airways; and promotion of air safety.

These agencies publish annual operational data on the use of airway facilities; data related to the location of airmen, aircraft, and airports; the activity volume in the field of non-air carrier (general aviation) flying; and aircraft production and registration.

Air carriers and service.—The term *certificated route air carrier* refers to air carriers holding certificates of public convenience and necessity, issued by the Civil Aeronautics Board, authorizing the performance of scheduled air transportation over specified routes and a limited amount of nonscheduled operations. This general carrier grouping includes the all-purpose carrier (i.e., the so-called passenger/cargo carriers) and the all-cargo carriers, and comprises all of the airlines certificated by the board, except the supplemental air carriers. Certificated route air carriers are often referred to as "scheduled airlines," although they also perform nonscheduled service. *Nonscheduled service* comprises revenue flights that are not operated in regular scheduled service, such as charter flights, and all nonrevenue flights incident to such flights. *Scheduled service* is transport service operated over an air carrier's certificated routes, based on published flight schedules, including extra sections and related nonrevenue flights.

Vessel shipments, entrances, and clearances.—Shipments by dry cargo vessels comprise shipments on all types of watercraft except tanker vessels; shipments by tanker vessels comprise all types of cargo, liquid and dry, carried by tanker vessels.

A vessel is reported as entered only at the first port which it enters in the United States whether or not cargo is unloaded at that port. A vessel is reported as cleared only at the last port at which clearance is made to a foreign port, whether or not it takes on cargo. Army and Navy vessels entering or clearing without commercial cargo and vessels touching at a United States port in distress, or for other temporary causes without discharging cargo, are not included in the figures.

Units of measurement.—Cargo tonnage and shipping weight both represent the gross weight of the cargo including the weight of containers, wrappings, crates, etc. However, shipping weight excludes lift and cargo vans and similar substantial outer containers. Other tonnage figures generally refer to stowing capacity of vessels, 100 cubic feet being called 1 ton. Gross tonnage comprises the space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers, or crew, with certain minor exceptions. Net or registered tonnage is the gross tonnage less the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship may bear little relation to weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

No. 853. SCHEDULED AIR CARRIERS—OPERATING REVENUES AND EXPENSES: 1955 TO 1967

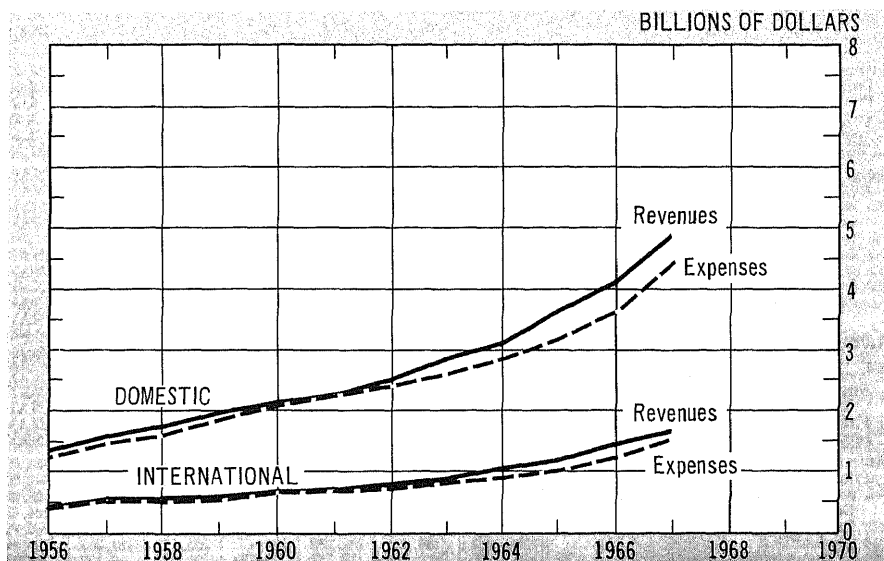
[In millions of dollars. 1955 not exactly comparable with later years. Beginning 1963, aircraft expense items include some ground and indirect expenses not previously included, and the ground and indirect expense item covers only expenses chargeable to general services and administration. See also headnote, table 856]

ITEM	1955	1960	1963	1964	1965	1966	1967
DOMESTIC							
Revenues	1,215	2,129	2,722	3,095	3,609	4,069	4,887
Passenger.....	1,065	1,860	2,374	2,701	3,142	3,534	4,280
Mail (including subsidy).....	61	113	143	149	158	162	170
Express and freight.....	62	103	152	181	220	261	287
Excess baggage.....	12	21	17	17	12	6	7
Other.....	15	32	35	46	77	117	163
Expenses	1,091	2,091	2,580	2,778	3,165	3,589	4,476
Aircraft.....	559	1,043	1,539	1,615	1,811	2,008	2,503
Flying operations.....	328	601	699	756	855	974	1,230
Direct maintenance flight equipment.....	138	258	523	580	640	680	832
Depreciation and amortization flight equipment.....	93	184	317	279	316	353	441
Ground and indirect.....	532	1,048	1,041	1,163	1,354	1,582	1,973
Net operating income	124	38	143	317	443	481	411
INTERNATIONAL							
Revenues	398	685	920	1,028	1,199	1,474	1,770
Passenger.....	300	528	693	782	887	995	1,166
Mail (including subsidy).....	30	48	74	71	82	132	145
Express and freight.....	33	59	80	100	131	150	164
Excess baggage.....	7	10	12	11	14	14	13
Other.....	28	41	61	64	85	184	282
Expenses	380	639	799	896	1,001	1,221	1,497
Aircraft.....	181	304	430	472	509	634	692
Flying operations.....	115	180	217	238	263	329	424
Direct maintenance flight equipment.....	37	58	118	145	146	181	112
Depreciation and amortization flight equipment.....	29	66	96	88	100	124	156
Ground and indirect.....	200	336	369	424	493	586	706
Net operating income	18	45	121	132	198	253	273

Source: Dept. of Transportation, Federal Aviation Administration; *F.A.A. Statistical Handbook of Aviation*. Data from Civil Aeronautics Board.

FIG. XXXIV. OPERATING REVENUES AND EXPENSES OF SCHEDULED AIR CARRIERS: 1956 TO 1967

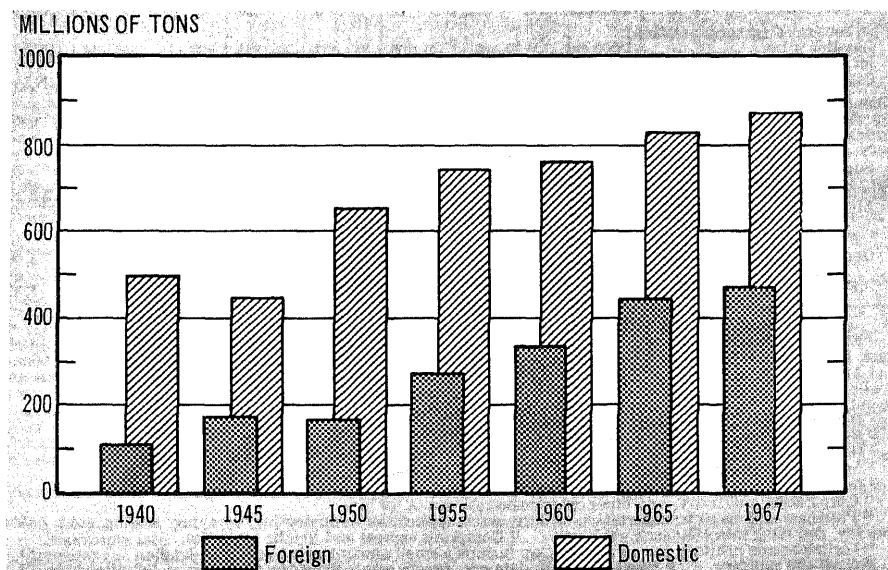
[See table 853]



Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from Federal Aviation Administration.

FIG. XXXV. WATERBORNE COMMERCE OF THE UNITED STATES: 1940 TO 1967

[See table 866]



Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from Dept. of the Army, Corps of Engineers.

No. 854. SUMMARY OF CIVIL FLYING: 1940 TO 1968

[As of Dec. 31 or for years ending Dec. 31. General aviation flying excludes civil flying performed by public carriers—scheduled, supplemental, contract, or intrastate. See also *Historical Statistics, Colonial Times to 1957*, series Q 376-383 and Q 394-397]

ITEM	1940	1950	1960	1965	1966	1967	1968
Airports in operation ¹	2,331	6,403	6,881	9,566	9,673	10,126	10,470
Public ²	1,031	2,272	2,780	3,570	3,630	3,830	3,986
Private ²	1,300	4,131	4,101	5,996	6,043	6,296	6,484
Lighted airports	776	1,670	2,133	2,878	2,988	3,149	3,312
Airports with paved runways	(NA)	1,422	1,893	2,747	2,859	3,109	3,353
Miles of Federal airways ³	32,100	70,253	178,924	141,856	131,231	133,565	137,434
Total civil aircraft ^{3 4}	17,928	92,809	111,580	142,078	155,132	166,598	(NA)
Eligible aircraft	(NA)	60,921	78,760	97,741	107,085	116,794	(NA)
Air carriers, total ⁵	(NA)	(NA)	2,211	2,299	2,379	2,583	(NA)
General aviation aircraft	(NA)	(NA)	76,549	95,442	104,706	114,211	(NA)
Fixed-wing aircraft:							
Multi-engine	(NA)	(NA)	7,243	11,977	13,548	14,668	(NA)
Single-engine, 4-place and over	(NA)	(NA)	34,829	49,789	52,972	56,869	(NA)
Single-engine, 3-place and less	(NA)	(NA)	33,472	31,364	35,687	39,675	(NA)
Rotorcraft ⁶	(NA)	(NA)	634	1,503	1,622	1,903	(NA)
Other ⁷	(NA)	(NA)	371	809	877	1,096	(NA)
Aids to air navigation (Federal airways): ⁸							
Radio range stations	292	749	1,030	915	1,009	984	(NA)
Nondirectional radio beacons	48	141	190	286	477	491	(NA)
Airport towers	-	172	153	226	238	255	(NA)
Combined station/towers	-	-	75	66	66	58	(NA)
Flight service stations	365	451	335	331	331	330	(NA)
Instrument landing systems	1	96	191	257	268	264	(NA)
Active airman certificates held ⁸	(NA)	(NA)	549,119	719,137	804,786	894,153	972,207
Pilot ⁹	(NA)	(NA)	348,062	479,770	548,757	617,931	691,695
Airline transport	1,431	(NA)	18,279	22,440	23,917	25,817	28,607
Commercial	18,791	(NA)	89,904	116,665	131,639	150,135	164,458
Private	49,607	(NA)	138,869	196,393	222,427	254,069	281,728
Student	110,938	44,591	99,182	139,172	165,177	181,287	209,406
Hours flown (general aviation)	10 3,200	10 9,650	13,121	16,733	21,023	22,153	23,672
Business ¹¹	314	2,750	5,699	5,857	7,057	6,578	(NA)
Commercial ¹²	387	1,500	2,365	3,348	3,555	3,918	(NA)
Instructional	1,529	3,000	1,828	3,346	5,674	6,262	(NA)
Personal	1,000	2,300	3,172	4,016	4,540	5,173	(NA)
Other	1,000	-	100	57	137	222	(NA)
Miles flown (general aviation)	10 264	10 1,062	1,769	2,562	3,336	3,440	3,740
Business ¹¹	26	340	881	1,204	1,536	1,431	(NA)
Commercial ¹²	32	181	299	461	516	569	(NA)
Instructional	126	287	194	359	646	713	(NA)
Personal	80	244	387	512	606	691	(NA)
Other	-	11	8	26	32	36	(NA)
Fuel consumed (general aviation):							
Gasoline	10 22,400	10 131,200	242,417	291,841	374,610	396,234	(NA)
Jet fuel	-	-	-	81,277	106,015	138,100	(NA)
Oil	10 660	10 2,916	3,910	4,554	5,739	6,220	(NA)
Domestic air cargo, revenue ton-miles flown ¹³	(NA)	239	724	1,661	1,944	2,167	2,328
Scheduled carriers	(NA)	211	476	1,112	1,301	1,498	1,775
Nonscheduled carriers ¹⁴	(NA)	16	135	330	389	404	248
Supplemental carriers ¹⁵	(NA)	13	112	220	254	264	305
Aircraft accidents ¹⁶	(NA)	4,595	4,883	5,279	5,787	6,185	17 5,141
Air carrier ¹⁸	(NA)	90	90	83	75	70	72
Fatal	(NA)	11	17	9	8	12	16
Fatalities	(NA)	205	499	261	272	286	351
General aviation	3,471	4,505	4,793	5,196	5,712	6,115	5,069
Fatal	232	499	429	538	573	603	693
Fatalities	359	871	787	1,029	1,151	1,228	1,374

- Represents zero. NA Not available.

¹ Existing airports and airfields recorded with FAA. Includes military airports with joint civil and military use. Beginning 1960, includes Puerto Rico, American Samoa, Canton, Guam, Virgin Islands, and Wake Island.

² Airport type definitions: Public—public use and public services, public control; Private—(a) public use and public services, private control, and (b) no public services, private control, military control, or Federal Government control. ³ Includes outlying areas of the United States.

⁴ Beginning 1950, includes gliders, and 1960, dirigibles and balloons.

⁵ Registered, not necessarily in operation. Includes helicopters.

⁶ Includes autogiros; excludes air carrier helicopters. ⁷ Includes gliders, blimps, and balloons.

⁸ Includes nonpilot technicians and flight instructors, not shown separately.

⁹ Includes helicopter, glider, and other pilots, not shown separately. ¹⁰ Excludes Alaska and Hawaii.

¹¹ Corporation and individual business transportation, not for hire.

¹² Passenger and cargo transportation for hire, aerial application (crop dusting, spraying, seeding, etc.), patrol, survey, and other miscellaneous work use. ¹³ Comprises express and freight ton-miles.

¹⁴ Includes some military ton-miles and may include a small amount of international traffic.

¹⁵ Civil and military. ¹⁶ Beginning 1968, data not strictly comparable due to change of definition.

¹⁷ Preliminary. ¹⁸ Excludes commercial operators.

Source: Dept. of Transportation, Federal Aviation Administration; *FAA Statistical Handbook of Aviation*. Includes data from Civil Aeronautics Board and National Transportation Safety Board.

No. 855. CIVIL AIRCRAFT, 1967, AND AIRPORTS, AND FEDERAL-AID AIRPORT PROGRAM, 1968, BY STATES AND OTHER AREAS

[As of December 31, except as noted]

STATE OR OTHER AREA	CIVIL AIRCRAFT, 1967 ¹		1968					
			Airports ²			Federal-aid airport program ³ (\$1,000)		
	Total	Active	Total	Public	Private	Total	Federal funds	Sponsor funds
Total.....	166,598	116,699	10,470	3,986	6,484	2,362,289	1,165,211	1,197,078
Alabama.....	2,100	1,494	124	76	48	39,167	19,659	19,508
Alaska.....	3,076	1,806	667	483	184	66,455	42,841	23,614
Arizona.....	2,794	1,775	197	98	99	30,719	17,097	13,622
Arkansas.....	2,233	1,530	130	64	66	19,874	9,935	9,939
California.....	22,736	15,596	699	246	453	209,057	103,865	105,692
Colorado.....	2,700	1,952	174	66	108	36,687	19,117	17,570
Connecticut.....	1,418	962	76	12	64	19,428	9,610	9,818
Delaware.....	601	464	22	5	17	2,000	1,030	970
District of Columbia.....	927	706	3	3	—	—	—	—
Florida.....	7,081	4,543	283	107	176	102,245	48,866	53,879
Georgia.....	3,184	2,333	171	98	73	84,315	40,867	43,948
Hawaii.....	351	196	43	16	27	37,577	13,712	23,865
Idaho.....	1,430	1,030	167	112	55	9,703	5,437	4,266
Illinois.....	7,481	5,339	483	76	407	142,785	67,253	75,532
Indiana.....	4,104	3,036	163	57	106	41,693	20,328	21,365
Iowa.....	2,915	2,294	230	98	132	35,446	17,524	17,922
Kansas.....	3,656	2,636	278	110	168	19,721	9,675	10,046
Kentucky.....	1,117	831	63	46	17	43,594	21,596	21,998
Louisiana.....	2,786	1,878	210	67	143	45,524	21,972	23,552
Maine.....	782	497	135	42	93	10,323	5,130	5,193
Maryland.....	1,894	1,308	81	13	68	20,662	10,386	10,276
Massachusetts.....	2,257	1,521	114	26	88	48,728	23,692	25,036
Michigan.....	6,412	4,647	278	127	151	74,090	35,049	39,641
Minnesota.....	4,211	3,132	265	124	141	50,510	24,660	25,850
Mississippi.....	1,953	1,310	149	68	81	25,017	12,504	12,513
Missouri.....	4,209	3,042	275	91	184	67,376	32,315	35,061
Montana.....	1,877	1,382	189	116	73	20,373	10,737	9,636
Nebraska.....	2,154	1,578	262	81	181	26,072	12,501	13,571
Nevada.....	1,287	896	89	44	45	19,425	11,790	7,635
New Hampshire.....	492	332	49	15	34	6,112	3,047	3,065
New Jersey.....	3,574	2,476	154	19	135	46,521	19,853	26,668
New Mexico.....	1,636	1,149	125	62	63	13,242	7,418	5,824
New York.....	7,717	5,318	371	60	311	179,725	82,107	97,618
North Carolina.....	2,835	2,044	179	50	129	38,397	19,192	19,205
North Dakota.....	1,300	942	191	74	117	10,145	4,955	5,190
Ohio.....	7,032	4,949	416	92	324	83,856	40,956	42,900
Oklahoma.....	3,520	2,362	205	101	104	54,121	27,010	27,111
Oregon.....	3,354	2,448	183	85	98	26,845	14,273	12,572
Pennsylvania.....	5,149	3,666	447	66	381	119,608	58,685	60,923
Rhode Island.....	224	174	12	6	6	10,095	5,071	5,024
South Carolina.....	1,214	913	100	50	50	17,416	8,755	8,661
South Dakota.....	1,231	873	110	65	45	11,565	6,080	5,485
Tennessee.....	2,124	1,604	97	60	37	57,594	28,827	28,767
Texas.....	12,811	9,024	938	230	708	137,616	68,139	69,477
Utah.....	967	686	76	52	24	19,719	12,055	7,664
Vermont.....	333	242	41	12	29	4,594	2,285	2,309
Virginia.....	2,085	1,444	147	44	103	32,450	16,079	16,371
Washington.....	4,121	2,727	212	94	118	36,472	19,387	18,085
West Virginia.....	702	470	49	19	30	21,035	10,470	10,565
Wisconsin.....	3,043	2,189	233	98	135	45,319	21,401	23,918
Wyoming.....	794	582	87	42	45	8,237	4,690	3,547
Other areas ⁴	614	371	28	18	10	32,439	17,828	14,611

— Represents zero.

¹ Includes gliders, dirigibles, and balloons.

² Includes military airports with joint civil and military use.

³ Cumulative since enactment of Federal Airport Act, May 16, 1946, through Dec. 31, 1968.

⁴ Comprises Puerto Rico, American Samoa, Canton, Guam, Virgin Islands, and Wake Island.

Source: Dept. of Transportation, Federal Aviation Administration; *FAA Statistical Handbook of Aviation*.

No. 856. SCHEDULED AIR CARRIERS—SUMMARY OF OPERATIONS: 1940 TO 1968

[As of Dec. 31 or for calendar years, except as noted. Operations between coterminous U.S. and Hawaii, Puerto Rico, and outlying areas included with international. Intra-Alaska included with domestic carriers and Mainland-Alaska with international, as follows: Number of operators and traffic data, beginning 1950; fuel and financial data, beginning 1955; and personnel data, beginning 1960. See also *Historical Statistics, Colonial Times to 1957*, series Q 352, Q 354-362, and Q 384-393]

ITEM	1940	1950	1955	1960	1965	1967	1968
Number of operators: ¹							
Domestic.....	19	48	40	39	40	36	(NA)
International.....	3	6	7	10	9	12	(NA)
Total personnel employed ²	22,051	82,786	122,203	162,771	206,834	269,890	(NA)
Domestic.....	15,984	61,903	95,548	133,717	169,952	223,380	(NA)
International.....	6,067	20,883	26,655	29,054	36,882	46,510	(NA)
Route miles in operation ³	95,079	183,841	196,274	249,717	248,294	263,020	(NA)
Domestic ⁴	42,757	77,440	78,992	101,414	104,870	112,984	(NA)
International ⁴	52,322	106,401	117,282	148,303	143,424	150,036	(NA)
Aircraft in operation ⁵	437	1,220	1,409	1,822	1,827	2,129	(NA)
Fixed wing.....	437	1,209	1,390	1,797	1,806	2,129	(NA)
Four-engine.....			679	1,141	994	997	(NA)
Three-engine turbojet.....	(NA)	(NA)	(NA)	(NA)	168	394	(NA)
Twin-engine.....			709	651	607	711	(NA)
Single-engine.....			2	5	37	27	(NA)
Average available seats: ⁶							
Domestic.....	16.5	37.5	51.2	65.5	89.2	94.4	100.8
International.....	18.3	41.0	56.4	89.9	129.1	132.2	135.6
Average speed (miles per hour):							
Domestic.....	(NA)	180	208	235	314	354	(NA)
International.....	(NA)	218	244	307	451	482	(NA)
Fuel consumed:							
Gasoline.....1,000 gal.....	74,535	572,246	1,170,240	1,127,006	489,136	241,256	(NA)
Domestic.....1,000 gal.....	65,675	418,442	911,748	922,480	448,022	223,356	(NA)
International.....1,000 gal.....	8,860	153,804	258,492	204,526	41,114	17,900	(NA)
Jet fuel, domestic.....1,000 gal.....	-	-	1,827	988,003	3,367,915	5,324,794	(NA)
International.....1,000 gal.....	-	-	-	342,513	1,194,765	1,983,292	(NA)
Oil.....1,000 gal.....	1,288	6,675	14,161	15,545	7,569	4,432	(NA)
Domestic.....1,000 gal.....	1,104	5,007	11,418	12,688	6,943	3,597	(NA)
International.....1,000 gal.....	184	1,668	2,743	2,857	626	436	(NA)
Revenue-miles flown (all scheduled services).....1,000.....	119,753	464,452	762,777	983,390	1,335,878	1,812,959	2,123,993
Domestic.....1,000.....	110,101	369,826	627,336	820,756	1,088,112	1,462,240	1,715,857
International.....1,000.....	9,652	94,626	135,441	162,634	247,766	350,719	408,136
Revenue passengers carried.....1,000.....	7,2,965	19,019	41,709	62,256	102,920	142,409	162,181
Domestic.....1,000.....	7,2,523	17,345	38,221	56,352	92,073	128,479	145,774
International.....1,000.....	163	1,675	3,488	5,904	10,847	14,020	16,407
Revenue passenger-miles flown:							
Domestic.....millions.....	1,052	8,007	19,852	30,557	51,888	75,487	87,508
International.....millions.....	100	2,214	4,499	8,306	16,789	23,259	26,451
Average passenger-mile rate:							
Domestic.....	\$0.0507	\$0.0554	\$0.0536	\$0.0609	\$0.0606	\$0.0664	(NA)
International.....	.0883	.0728	.0666	.0635	.0528	.0501	(NA)
Express and freight, ton-miles flown.....1,000.....	(NA)	212,811	326,344	578,518	1,540,452	2,111,373	2,506,307
Domestic ⁸1,000.....	3,476	152,223	229,966	386,933	943,128	1,314,400	1,579,057
International.....1,000.....	(NA)	60,588	96,378	191,585	597,324	796,964	927,250
Mail, ton-miles flown:							
Domestic.....1,000.....	10,118	47,740	88,751	135,923	225,992	405,352	564,148
International.....1,000.....	(NA)	26,228	61,233	103,335	254,093	560,401	679,357
Accidents (revenue operations): ⁹							
Domestic, total.....	29	36	41	62	53	43	44
Fatal.....	3	4	8	10	6	8	11
Fatalities ¹¹	45	100	221	363	223	255	288
Passenger-fatalities per 100 million passenger-miles flown ¹²	3.0	1.2	0.8	0.9	0.4	0.03	0.03
International, total.....	6	5	5	5	8	8	10
Fatal.....	-	2	1	2	1	-	2
Fatalities ¹¹	-	56	4	15	30	-	57
Passenger-fatalities per 100 million passenger-miles flown.....	-	2.1	(Z)	0.1	0.1	-	0.2

- Represents zero. NA Not available. Z Less than 0.05. ¹ Excludes all-cargo operators.

² For types of personnel, see table 859. ³ Not compiled for intra-Alaska.

⁴ 1940, domestic is average for December, international as of Dec. 31; 1950-1968, based on fourth quarter.

⁵ Represents aircraft of the certificated route air carriers; excludes those used for crew training and general utility purposes, or held for disposal. Beginning 1960, excludes aircraft operated by the scheduled all-cargo carriers. Includes helicopters, not shown separately.

⁶ Obtained by dividing passenger seat-miles by revenue-miles flown in passenger service.

⁷ Data for domestic passengers include duplication.

⁸ Excludes freight flown by certificated all-cargo operators and irregular carriers.

⁹ Beginning 1960, includes military contract operations. 1965 data preliminary.

¹⁰ Includes 2 midair collisions nonfatal to air carrier occupants; excluded in computation of fatal accidents.

¹¹ Includes crew members. ¹² Excludes passenger deaths occurring in dynamite accidents, as follows: Nov. 1, 1955, 39; Jan. 6, 1960, 29.

Source: Dept. of Transportation, Federal Aviation Administration; *FAA Statistical Handbook of Aviation*. Includes data from Civil Aeronautics Board.

No. 857. SCHEDULED AIR CARRIERS—AVAILABLE SERVICE AND UTILIZATION, AND TRAFFIC CARRIED: 1950 TO 1968

[In millions, except percent]

ITEM	1950	1955	1960	1962	1963	1964	1965	1966	1967	1968
SERVICE AND UTILIZATION										
Available ton-miles.....	2,426	5,289	9,384	12,326	13,931	16,302	19,661	23,505	30,777	37,221
Revenue ton-miles.....	1,398	3,088	5,024	6,238	6,860	8,016	9,895	12,441	15,680	18,118
Ton-mile load factor.....percent..	57.6	58.4	53.5	50.6	49.2	49.2	50.3	52.9	50.9	48.7
Available seat-miles.....	16,842	38,574	65,567	82,612	94,845	106,316	124,320	137,844	174,773	216,524
Revenue passenger-miles.....	10,243	24,351	38,863	43,760	50,362	58,494	68,676	79,889	98,720	113,997
Passenger load factor.....percent..	60.8	63.1	59.3	53.0	53.1	55.0	55.2	58.0	56.5	52.7
Revenue plane-miles.....	477	780	908	1,010	1,095	1,189	1,354	1,482	1,742	2,147
TRAFFIC CARRIED (revenue ton-miles)										
Total.....	1,398	3,088	5,024	6,238	6,860	8,016	9,895	12,441	15,680	18,118
Passenger ¹	1,001	2,368	3,733	4,210	4,839	5,630	6,629	7,736	9,588	11,026
U.S. mail:										
Priority.....		128	202	251	266	290	372	543	568	582
Nonpriority.....	69	15	39	89	90	81	111	209	409	675
Express.....	38	51	59	70	71	78	90	98	99	105
Freight.....	233	333	643	898	1,027	1,301	1,730	2,051	2,349	2,805
Charter flights.....	40	106	296	668	514	582	909	1,755	2,648	2,867
Excess baggage ²	18	37	53	52	53	52	53	49	49	59

¹ Passenger-miles (actual passengers flown one mile) converted to ton-miles on basis that 10 passengers with allowable free baggage equal 1 ton.

² Includes foreign mail revenue ton-miles.

Source: Air Transport Association of America, Washington, D.C.; *Air Transport Facts and Figures*.

No. 858. SUPPLEMENTAL AIR CARRIERS—SUMMARY OF OPERATIONS: 1955 TO 1967

[In thousands, except number of operators. Refers to carriers operating by authority of letters of registration granted by the Civil Aeronautics Board. Includes international operations; see headnote, table 856. Figures shown for military cover activities performed under charter or other contract with the Department of Defense]

ITEM	1955	1960	1963	1964	1965	1966	1967
Number of operators.....	50	30	15	15	13	13	13
Revenue passenger-miles.....	1,395,682	2,207,595	1,547,416	1,502,021	2,489,173	4,125,445	5,997,150
Commercial.....	716,096	671,094	411,753	535,751	1,069,335	1,553,529	2,572,442
Military.....	679,586	1,536,501	1,135,663	966,270	1,419,838	2,571,916	3,424,708
Revenue cargo ton-miles.....	74,601	120,400	218,736	267,728	297,601	425,093	442,064
Commercial.....	21,191	5,855	20,340	36,936	48,820	53,764	47,018
Military.....	53,410	115,045	198,396	230,792	248,781	371,329	395,046
Operating revenue.....	\$76,824	\$83,447	\$92,697	\$105,806	\$140,981	\$209,250	\$258,631
Transport.....	66,923	79,711	¹ 92,262	104,959	139,525	² 205,142	250,366
Passenger.....	20,494	19,919	5,048	2,073	(NA)	(NA)	(NA)
Freight.....	3,743	407	185	122	(NA)	(NA)	(NA)
Contract and charter:							
Commercial.....	6,993	11,591	15,815	27,577	51,625	71,194	97,486
Military.....	35,133	47,527	70,005	72,965	87,161	132,609	151,999
Other.....	560	267	1,213	2,222	739	766	881
Other than transport....	9,901	3,736	435	848	1,456	4,108	8,265
Operating expenses.....	\$73,067	\$85,295	\$87,539	\$89,770	\$116,906	\$172,272	\$223,047
Operating profit or loss....	\$3,757	-\$1,849	\$5,158	\$16,036	\$24,075	\$36,978	\$35,584

NA Not available.

¹ Total less than sum of details due to statistical discrepancies in reporting.

Source: Dept. of Transportation, Federal Aviation Administration; *FAA Statistical Handbook of Aviation*. Data from Civil Aeronautics Board.

No. 859. SCHEDULED AIR CARRIERS—PERSONNEL, PAYROLL, AND AVERAGE SALARY: 1965, 1966, AND 1967

[As of December 31 or for calendar years. See also headnote, table 856]

TYPE OF PERSONNEL	1965			1966			1967		
	Number (1,000)	Payroll (mil. dol.)	Average salary	Number (1,000)	Payroll (mil. dol.)	Average salary	Number (1,000)	Payroll (mil. dol.)	Average salary
Total domestic	170.0	1,449	\$8,525	196.3	1,724	\$8,784	223.4	2,048	\$9,170
Pilots and copilots.....	14.5	289	19,946	17.8	351	19,768	20.1	423	21,068
Other flight personnel.....	3.9	53	13,468	5.0	64	12,695	6.0	74	12,286
Pursers, stewards, stewardesses.....	14.2	73	5,144	17.2	90	5,230	20.5	117	5,728
Communications personnel.....	2.0	13	6,448	2.0	13	6,421	2.1	14	6,611
Mechanics ¹	35.4	282	7,985	37.9	325	8,569	42.3	374	8,836
Aircraft and traffic servicing.....	45.8	331	7,223	52.9	398	7,527	59.4	465	7,832
Office employees.....	34.6	239	6,924	40.6	286	7,035	47.6	347	7,296
All others.....	19.6	169	8,605	22.9	198	8,640	25.5	234	9,198
Total international	36.9	269	7,294	42.4	322	7,584	46.5	382	8,205
Pilots and copilots.....	1.9	42	21,758	2.5	52	20,564	2.6	66	25,173
Other flight personnel.....	0.8	13	17,110	1.0	17	16,473	1.2	21	17,345
Pursers, stewards, stewardesses.....	3.0	19	6,257	3.6	24	6,687	4.1	28	6,893
Communications personnel.....	1.1	5	4,295	1.1	5	4,559	1.2	6	5,106
Mechanics ¹	5.3	42	7,853	6.1	49	8,030	6.5	58	8,917
Aircraft and traffic servicing.....	10.8	61	5,698	12.6	75	5,947	13.9	86	6,185
Office employees.....	9.0	53	5,919	9.9	60	6,111	10.7	69	6,439
All others.....	4.9	34	6,798	5.5	39	7,058	6.3	47	7,613

¹ Includes other maintenance personnel.

Source: Dept. of Transportation, Federal Aviation Administration; *FAA Statistical Handbook of Aviation*. Data from Civil Aeronautics Board.

No. 860. EMPLOYMENT, HOURS, AND EARNINGS IN AIRCRAFT INDUSTRIES—ANNUAL AVERAGES: 1948 TO 1968

ITEM	1948	1950	1955	1960	1965	1966	1967	1968
EMPLOYMENT (1,000)								
Total	238	283	761	674	619	751	825	849
Aircraft.....	158	188	467	371	330	419	469	494
Aircraft engines and parts.....	49	57	168	171	188	210	220	209
Other aircraft parts and equipment.....	31	38	127	132	101	122	136	146
HOURS AND EARNINGS								
Average weekly hours:								
Aircraft industries.....	41.2	41.4	41.4	40.6	41.2	42.9	42.2	41.9
Aircraft engines and parts industries.....	40.5	41.7	40.6	41.1	42.1	43.4	42.5	41.4
Average weekly earnings:								
Aircraft industries.....	\$60	\$67	\$90	\$110	\$130	\$144	\$147	\$153
Aircraft engines and parts industries.....	\$62	\$69	\$86	\$112	\$133	\$144	\$146	\$151
Average hourly earnings:								
Aircraft industries.....	\$1.46	\$1.62	\$2.17	\$2.71	\$3.16	\$3.34	\$3.49	\$3.64
Aircraft engines and parts industries.....	\$1.52	\$1.66	\$2.13	\$2.73	\$3.17	\$3.31	\$3.42	\$3.65

Source: Dept. of Transportation, Federal Aviation Administration; *FAA Statistical Handbook of Aviation*. Data from Dept. of Labor, Bureau of Labor Statistics.

No. 861. CIVIL AIRCRAFT SHIPMENTS: 1950 TO 1968

[Represents manufacturers' shipments of complete aircraft. Includes both domestic and export output]

ITEM	1950	1955	1960	1963	1964	1965	1966	1967	1968
Total	3,520	4,820	8,181	8,121	10,067	12,646	16,404	14,479	14,969
Transports.....	129	113	238	80	158	221	322	500	702
General aviation.....	3,391	4,563	7,726	7,628	9,459	12,053	15,730	13,536	13,749
Single-engine:									
1- to 3-place.....	(NA)	786	1,366	1,404	2,187	3,545	5,744	4,873	4,507
4-place and over.....	(NA)	2,969	5,072	4,913	5,625	6,478	7,420	6,657	6,972
Multiengine.....	(NA)	808	1,288	1,311	1,647	2,030	2,566	2,006	2,270
Rotorcraft.....	(NA)	144	217	413	450	372	352	443	618

NA Not available.

Source: Dept. of Transportation, Federal Aviation Administration; *FAA Statistical Handbook of Aviation*. Includes data from Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*.

No. 862. AIRCRAFT—VALUE OF BACKLOG ORDERS, NET NEW ORDERS, AND NET SALES: 1960 TO 1967

[Reported by manufacturers of complete aircraft, aircraft engines, and propellers]

ITEM	1960		1965		1966		1967	
	Total (mil. dol.)	Percent military	Total (mil. dol.)	Percent military	Total (mil. dol.)	Percent military	Total (mil. dol.)	Percent military
Backlog, Jan. 1.....	12,120	(NA)	15,188	62.8	20,385	54.4	26,504	47.8
Aircraft and parts ¹	6,650	66.5	6,277	68.3	8,885	49.8	14,655	44.4
Aircraft engines and parts.....	1,385	71.1	1,520	65.3	2,503	65.8	3,824	58.7
Missiles and parts.....	(NA)	(NA)	4,556	93.4	5,480	91.4	4,510	86.7
Other products and services.....	4,085	(X)	2,835	(X)	3,517	(X)	3,515	(X)
Net new orders ²	11,373	(NA)	22,183	51.4	27,223	46.9	26,900	49.9
Aircraft and parts ¹	4,581	65.8	7,951	44.4	12,455	49.5	10,857	54.9
Aircraft engines and parts.....	1,549	76.4	2,690	66.6	3,411	57.9	3,256	(NA)
Missiles and parts.....	(NA)	(NA)	6,739	90.1	5,054	86.2	7,318	95.5
Other products and services.....	5,243	(X)	4,803	(X)	6,303	(X)	5,469	(X)
Net sales.....	10,997	(NA)	17,016	57.9	20,227	54.8	23,444	54.0
Aircraft and parts ¹	5,099	65.4	5,343	63.5	6,630	61.6	9,082	58.9
Aircraft engines and parts.....	1,330	68.5	1,714	66.0	2,095	65.5	2,812	63.9
Missiles and parts.....	(NA)	(NA)	5,819	91.5	6,241	90.3	6,054	91.3
Other products and services.....	4,568	(X)	4,140	(X)	5,261	(X)	5,496	(X)
Backlog, Dec. 31.....	12,496	(NA)	20,385	50.9	27,547	46.0	29,339	56.7
Aircraft and parts ¹	6,132	66.9	8,885	49.8	14,655	44.5	16,377	43.2
Aircraft engines and parts.....	1,604	78.3	2,444	67.4	3,824	58.7	4,251	100.0
Missiles and parts.....	(NA)	(NA)	4,602	93.5	4,510	86.7	5,704	93.0
Other products and services.....	4,760	(X)	4,454	(X)	4,558	(X)	3,007	(X)

X Not applicable. NA Not available. ¹ Includes propellers and propeller parts.² New orders received during year less terminations during year.Source: Dept. of Transportation, Federal Aviation Administration; *FAA Statistical Handbook of Aviation*. Data from Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*.

No. 863. SUMMARY OF AIRBORNE IMPORTS AND EXPORTS—SHIPPING WEIGHT, 1965 TO 1967, AND VALUE, 1965 AND 1967

[Weight in millions of pounds, value in millions of dollars, except as indicated. Includes trade of Puerto Rico with foreign countries. Exports include domestic and foreign merchandise; imports include merchandise for immediate consumption and entries into bonded warehouses]

ITEM	IMPORTS					EXPORTS				
	Weight			Value		Weight			Value	
	1965	1966	1967	1965	1967	1965	1966	1967	1965	1967
	1965	1966	1967	1965	1967	1965	1966	1967	1965	1967
Total¹.....	192.3	229.6	305.5	1,316	1,947	457.3	503.4	549.1	2,289	3,299
CONTINENT										
North America.....	33.1	38.8	49.8	125	202	127.3	135.3	152.3	366	510
South America.....	19.8	15.4	19.2	48	59	71.3	71.2	71.3	194	236
Europe.....	111.5	134.3	178.5	920	1,300	182.0	206.4	249.8	1,284	1,935
Asia.....	26.7	39.2	54.5	171	335	29.1	37.1	51.6	236	425
Australia and Oceania.....	0.4	0.7	1.3	6	18	5.0	5.8	8.6	52	68
Africa.....	0.8	1.2	1.4	11	33	7.4	8.0	10.4	38	62
U.S. carriers¹.....	95.7	111.3	128.4	586	847	175.6	178.3	199.0	867	1,180
Percent of all carriers.....	50.0	48.5	42.0	44.5	43.5	38.4	35.4	36.2	37.9	35.8
North America.....	15.7	18.0	19.7	56	97	56.5	64.7	70.9	147	235
South America.....	6.4	5.6	7.2	22	29	19.2	19.5	20.2	64	76
Europe.....	55.6	61.1	65.8	392	505	63.8	66.7	78.2	445	617
Asia.....	17.6	25.8	32.7	111	196	15.1	17.2	22.0	106	171
Australia and Oceania.....	(Z)	0.3	0.3	2	10	1.1	1.4	2.1	10	19
Africa.....	0.3	0.4	0.3	3	8	3.0	2.9	2.4	16	17
CUSTOMS DISTRICT										
New York.....	113.1	130.0	150.3	977	1,308	224.8	237.7	269.1	1,396	2,035
Florida.....	26.7	26.8	30.6	48	53	116.1	108.0	105.5	214	220
Los Angeles.....	7.4	12.3	12.2	56	99	9.4	12.3	19.2	97	209
San Francisco.....	10.3	17.1	22.3	68	144	16.9	19.7	22.5	159	217
Chicago.....	10.0	11.3	13.0	65	122	26.8	29.4	29.4	138	175
Other.....	24.8	32.1	77.0	101	221	63.4	96.3	103.3	286	443

Z Less than 50,000 pounds.

¹ 1967 data for imports include shipments valued under \$251 and exports include shipments of "special category" commodities and estimated shipments valued under \$100, which are excluded from the continent totals.Source: Dept. of Commerce, Bureau of the Census; summary reports, FT 986, *United States Airborne Foreign Trade*.

No. 864. EXPORTS OF AIRCRAFT AND AIRCRAFT PARTS AND ACCESSORIES: 1960 TO 1968

[Value in millions of dollars. See *Historical Statistics, Colonial Times to 1957*, series Q 349-350, for number and value of aircraft exported]

ITEM	1960		1965		1967		1968 (prel.)	
	Number of units	Value	Number of units	Value	Number of units	Value	Number of units	Value
Aircraft, parts, and accessories.....	(X)	1,329	(X)	1,798	(X)	1,890	(X)	2,811
Commercial and civilian aircraft ¹	2,336	537	3,129	477	3,879	789	3,530	1,898
Cargo transports, new.....	-	-	4	15	5	5	6	24
Passenger transports, new.....	(NA)	(NA)	61	262	113	511	177	837
Passenger/cargo combinations, new.....	(NA)	(NA)	12	76	17	95	56	339
Personal and utility type:								
Single engine, new.....	1,527	24	2,031	31	2,554	37	2,149	33
Multiple engine, new.....			426	38	571	54	579	64
Rotary wing, new.....	82	8	177	16	223	25	243	31
Used, rebuilt, modified, or converted.....	565	26	406	39	362	60	320	69
Internal combustion engines, new.....	1,464	4	1,684	7	2,079	19	1,777	14
Aircraft engines, used.....	1,558	10	1,273	10	1,401	13	1,082	9
Aircraft components, parts, and access. ²	(X)	778	(X)	1,303	(X)	1,069	(X)	1,390

- Represents zero. NA Not available. X Not applicable.

¹ Through 1967, includes new aircraft not elsewhere classified, not shown separately.² Includes military aircraft and parts, new and used jet and gas turbines for aircraft, electronic navigational aids, and aircraft flight and other instruments.Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M37G.

No. 865. UNITED STATES RECEIPTS AND PAYMENTS FOR INTERNATIONAL TRANSPORTATION: 1947 TO 1968

[In millions of dollars. Data are international transportation transactions recorded for balance of payment purposes (see table 1192). Receipts include freight on exports carried by U.S. operated carriers and foreign carrier expenditures in U.S. ports. Payments include freight on imports carried by foreign carriers and U.S. carrier port expenditures abroad. Freight on exports carried by foreign carriers is excluded since such payments are directly or indirectly for foreign account. Similarly, freight on U.S. imports carried by U.S. carriers is a domestic rather than an international transaction. Minus sign (-) denotes decrease. See *Historical Statistics, Colonial Times to 1957*, series U 170 and U 177, for totals]

ITEM	1947	1950	1955	1960	1964	1965	1966	1967	1968 (prel.)
Total receipts.....	1,738	1,033	1,406	1,782	2,324	2,413	2,608	2,701	2,860
Ocean transportation.....	1,593	859	1,137	1,337	1,732	1,730	1,843	1,827	1,926
Export freight earnings.....	1,154	380	448	428	599	519	531	515	552
Freight earnings on shipments between foreign countries.....	100	110	106	136	158	152	137	144	169
Passenger fares.....	39	20	23	19	10	9	10	8	7
Port expenditures.....	281	313	548	746	956	1,041	1,154	1,162	1,190
Charter hire.....	19	36	12	8	9	9	11	8	8
Air transportation.....	85	108	183	358	484	571	653	761	819
Export freight earnings.....	12	17	33	55	63	91	112	126	127
Passenger fares.....	63	68	97	156	231	262	307	363	404
Port expenditures.....	10	23	53	147	190	218	234	272	288
Other transportation.....	60	66	86	87	108	112	112	113	115
Total payments.....	583	818	1,204	1,915	2,462	2,679	2,923	2,982	3,162
Ocean transportation.....	456	643	946	1,333	1,717	1,809	1,932	1,866	1,974
Import freight payments.....	141	295	480	780	945	1,083	1,187	1,142	1,220
Passenger fares.....	47	121	138	212	215	210	200	195	196
Port expenditures.....	231	138	153	167	317	281	294	282	303
Charter hire.....	37	89	175	174	240	235	251	247	255
Air transportation.....	70	106	183	504	651	773	895	1,021	1,092
Import freight earnings.....	1	2	7	22	26	38	46	59	78
Passenger fares.....	9	26	68	301	430	510	555	635	642
Port expenditures.....	60	78	108	181	195	225	294	327	372
Other transportation.....	57	69	75	78	94	97	96	95	96
Receipts balance.....	1,155	215	202	-133	-138	-266	-315	-281	-302

Source: Dept. of Commerce, Office of Business Economics; *Survey of Current Business*, June 1968, and unpublished data.

No. 866. WATERBORNE COMMERCE, FOREIGN AND DOMESTIC—CARGO TONNAGE: 1940 to 1967

[In millions of short tons. Includes Puerto Rico and outlying areas. Import and export figures differ slightly from those shown in tables 868 and 869, due to minor differences in basic concepts which are explained in the source. See also *Historical Statistics, Colonial Times to 1967*, series Q 216-229]

CLASS	1940	1945	1950	1955	1960	1965	1966	1967
Net total.....	608	619	821	1,016	1,100	1,273	1,334	1,337
Foreign commerce.....	111	172	169	271	339	444	471	466
Imports, through seaports.....	41	45	96	144	198	245	257	248
Exports, through seaports.....	50	100	44	95	105	142	156	162
Imports, Great Lakes ports.....	4	7	6	9	13	25	27	28
Exports, Great Lakes ports.....	17	21	24	23	23	32	32	28
Domestic commerce ¹	497	447	651	745	761	829	863	871
Coastwise, between ports.....	157	91	183	196	209	202	208	215
Great Lakes, between ports.....	141	158	170	185	155	154	164	154
Local traffic of seaports, Great Lakes ports, and inland waterways ports.....	98	98	107	113	104	103	99	102
Traffic between ports and river ports ²	70	87	191	250	291	370	390	399
Traffic between ports of outlying areas of the United States.....	(3)	(3)	1	2	1	1	1	1

¹ For 1940 and 1945, approximate net total, excluding duplications in domestic traffic.

² Represents traffic among ports and communities mainly utilizing inland waterways.

³ Included in other types of domestic traffic.

Source: Dept. of the Army, Corps of Engineers; through 1950, *Annual Report of Chief of Engineers*, Part 2; thereafter, *Waterborne Commerce of the United States*.

No. 867. SHIPMENTS OF EXPORTS AND IMPORTS, BY METHOD OF TRANSPORT: 1950 TO 1968

[Value in millions of dollars, except percent; shipping weight in millions of pounds. Export data include both domestic and foreign; import data for general imports only]

ITEM	1950	1955	1960	1965	1967	1968
EXPORTS ¹						
Value, all methods of transportation.....	10,275	15,547	20,575	27,478	31,526	34,413
Vessel.....	(NA)	9,227	13,142	16,926	18,772	19,511
Percent of total.....	(NA)	59.4	63.9	61.6	59.5	58.6
Air.....	(NA)	(NA)	(NA)	2,289	3,233	3,789
Shipping weight:						
Vessel.....	(NA)	225,169	248,456	343,461	375,198	389,336
Air.....	(NA)	(NA)	(NA)	457	540	654
IMPORTS ²						
Value, all methods of transportation.....	8,852	11,384	14,654	21,366	26,812	33,114
Vessel.....	(NA)	8,073	11,105	14,843	17,492	21,234
Percent of total.....	(NA)	70.9	75.8	69.9	65.2	64.1
Air.....	(NA)	(NA)	(NA)	1,316	1,947	2,548
Shipping weight:						
Vessel.....	(NA)	283,069	398,085	511,509	512,686	566,222
Air.....	(NA)	(NA)	(NA)	192	305	431

NA Not available.

¹ Export vessel and air data include estimated shipments under \$100, but exclude vessels under their own power or afloat, and "special category" and mail (parcel post) shipments.

² Import vessel and air data include estimated shipments under \$251, but exclude vessels under their own power or afloat.

Source: Dept. of Commerce, Bureau of the Census; monthly report, FT 990, *Highlights of U.S. Export and Import Trade*, and unpublished data.

No. 868. WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE, BY COASTAL DISTRICT: 1945 to 1967

[In thousands of short tons. See footnote, table 869]

DISTRICT	1945	1950	1955	1960	1963	1964	1965	1966	1967
IMPORTS									
Atlantic ports.....	30,748	76,062	105,990	135,313	140,155	149,367	163,871	172,595	184,254
Gulf ports.....	5,675	10,930	17,345	27,304	30,180	32,255	36,773	39,408	38,615
Pacific ports.....	3,003	4,095	9,038	23,281	24,272	28,001	29,095	27,426	26,223
Great Lakes ports.....	(NA)	5,616	8,751	12,932	17,936	24,151	24,957	26,646	27,713
EXPORTS									
Atlantic ports.....	39,609	15,228	54,906	44,902	56,788	57,464	54,943	56,756	57,365
Gulf ports.....	14,737	16,818	22,500	36,730	47,051	58,529	58,717	67,056	66,028
Pacific ports.....	7,258	7,270	13,394	19,351	23,581	25,043	26,445	30,395	36,486
Great Lakes ports.....	(NA)	23,370	21,996	22,905	28,103	30,395	31,705	31,772	27,549

NA Not available.

Source: Dept. of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, annual report, FT 985, *U.S. Waterborne Foreign Trade*, and unpublished data.

No. 869. WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE, BY FLAG OF CARRIER VESSEL: 1950 TO 1967

[In thousands of short tons. Beginning July 1950, excludes commodities classified for security reasons as "Special Category." For 1955 and 1960, exports exclude shipments individually valued under \$500. For 1963 and later years, exports exclude shipments to Canada individually valued under \$2,000 and to other countries under \$500. Under \$100 shipments are excluded for all years. Beginning 1955, imports exclude shipments under 2,000 pounds shipping weight regardless of value, as well as shipments valued at less than \$100 regardless of shipping weight. For January 1960 through June 1965, imports exclude formal entry shipments valued at less than \$100 and informal entry shipments valued under \$251. For July–December 1965 and later years, imports exclude all shipments under \$251. For further coverage details, see report FT 985, *U.S. Waterborne Foreign Trade* published monthly by Bureau of the Census. See also *Historical Statistics, Colonial Times to 1967*, series Q 210–215]

YEAR	Total trade	Percent by U.S. flag	IMPORTS BY FLAG OF CARRIER VESSEL				EXPORTS BY FLAG OF CARRIER VESSEL			
			Total	U.S.	Foreign	Percent U.S.	Total	U.S.	Foreign	Percent U.S.
TOTAL										
1950.....	159,389	39.3	96,703	42,268	54,435	43.7	62,685	20,379	42,306	32.5
1955.....	253,019	23.5	141,123	37,409	103,715	26.5	112,796	22,144	90,652	19.6
1960.....	322,717	12.3	198,830	19,627	179,203	9.9	123,887	20,133	103,754	16.3
1963.....	368,664	9.9	212,542	15,682	196,860	7.4	156,122	20,885	135,237	13.4
1964.....	405,205	9.9	233,774	16,278	217,496	7.0	171,431	23,937	147,494	14.0
1965.....	427,407	8.1	255,596	15,573	240,023	6.1	171,811	19,048	152,762	11.1
1966.....	452,053	7.3	266,075	15,698	250,477	5.9	185,978	17,358	168,620	9.3
1967.....	444,233	6.5	256,806	13,626	243,280	5.3	187,427	15,365	172,062	8.2
DRY CARGO										
1950.....	100,189	31.2	46,611	14,823	31,788	31.8	53,578	16,429	37,149	30.7
1955.....	169,231	23.2	68,437	19,855	48,582	29.0	100,794	19,762	81,032	19.6
1960.....	202,497	15.2	94,931	13,813	81,118	14.6	107,566	16,980	90,586	15.8
1963.....	239,486	12.0	98,623	10,998	87,625	11.1	140,862	17,750	123,112	12.6
1964.....	266,816	12.0	113,371	11,967	101,404	10.6	153,445	20,083	133,362	13.1
1965.....	273,928	9.3	123,318	10,369	112,949	8.4	150,610	15,223	135,387	10.0
1966.....	297,486	8.1	130,342	10,487	119,855	8.0	167,144	13,519	153,625	8.0
1967.....	294,069	8.1	127,331	11,103	116,228	8.7	166,738	12,658	154,080	7.6
TANKER CARGO										
1950.....	59,199	53.0	50,092	27,445	22,647	54.8	9,107	3,950	5,157	43.4
1955.....	84,688	23.5	72,686	17,554	55,133	24.2	12,002	2,382	9,620	19.8
1960.....	120,219	7.5	103,898	5,814	98,084	5.6	16,321	3,153	13,168	19.3
1963.....	129,178	6.0	113,918	4,684	109,234	4.1	15,260	3,135	12,125	20.5
1964.....	138,390	5.9	120,403	4,311	116,092	3.6	17,987	3,854	14,133	21.4
1965.....	153,478	5.9	132,278	5,204	127,074	3.9	21,200	3,825	17,375	18.0
1966.....	154,567	5.8	135,733	5,112	130,621	3.8	18,834	3,839	14,995	20.4
1967.....	150,165	3.4	129,476	2,424	127,052	1.9	20,689	2,707	17,982	13.1

Source: Dept. of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, annual report, FT 985, *U.S. Waterborne Foreign Trade*, and unpublished data.

No. 870. WATERBORNE IMPORTS AND EXPORTS—VALUE OF TRADE, BY COASTAL DISTRICT: 1965 TO 1967

[In millions of dollars. Includes trade of Puerto Rico with foreign countries]

DISTRICT AND TYPE OF VESSEL	TOTAL TRADE			IMPORTS			EXPORTS		
	1965	1966	1967	1965	1966	1967	1965	1966	1967
Total.....	31,868	35,839	36,070	14,941	17,319	17,434	16,927	18,520	18,636
Atlantic.....	18,132	20,546	20,470	9,743	11,386	11,295	8,389	9,210	9,175
Dry cargo.....	16,570	18,818	18,849	8,266	9,754	9,804	8,304	9,064	9,045
Tanker.....	1,562	1,728	1,621	1,477	1,582	1,491	85	146	130
Gulf.....	6,739	7,613	7,628	1,761	2,077	2,106	4,978	5,536	5,522
Dry cargo.....	5,584	6,707	6,779	1,657	1,942	1,968	3,927	4,765	4,811
Tanker.....	1,156	906	849	105	135	138	1,051	771	711
Pacific.....	4,789	5,354	5,760	2,410	2,778	2,877	2,379	2,576	2,883
Dry cargo.....	4,353	4,951	5,396	2,097	2,503	2,633	2,256	2,448	2,763
Tanker.....	436	403	364	313	275	244	123	128	120
Great Lakes.....	2,209	2,326	2,212	1,028	1,129	1,156	1,181	1,197	1,056
Dry cargo.....	2,141	2,257	2,171	1,013	1,114	1,145	1,125	1,143	1,026
Tanker.....	68	69	41	15	15	11	53	54	30

Source: Dept. of Commerce, Bureau of the Census; annual report, FT 985, *U.S. Waterborne Foreign Trade*.

No. 871. FREIGHT CARRIED ON INLAND WATERWAYS, BY SYSTEM: 1940 TO 1967

[In millions of ton-miles. Excludes Alaska and Hawaii, except as noted]

SYSTEM	1940	1945	1950	1955	1960	1965	1967
Total	118,057	142,737	163,344	216,508	220,253	262,421	281,392
Atlantic coast rivers.....	1,859	1,036	6,497	27,042	28,583	27,781	28,760
Gulf coast rivers.....	593	345	1,229	13,860	16,932	21,808	25,002
Pacific coast rivers.....	1,229	1,555	1,686	4,736	6,001	6,630	6,242
Mississippi River System ¹	13,934	19,595	33,598	52,019	69,257	96,593	114,579
Great Lakes System ²	100,442	120,205	120,334	118,850	99,480	109,609	106,809

¹ Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers.² Includes other waterways, canals and connecting channels, and, beginning 1960, Alaskan waterways.Source: Dept. of the Army, Corps of Engineers; through 1950, *Annual Report of the Chief of Engineers*, Part 2; thereafter, *Waterborne Commerce of the United States*.

No. 872. FREIGHT CARRIED ON GREAT LAKES SYSTEM: 1967

[In millions of ton-miles]

AREA	Total	DOMESTIC				FOREIGN	
		Lakewise	Coast-wise	Internal	Local and intraport	Canadian	Overseas
Total	106,809	74,797	70	557	97	21,999	9,289
Lake Superior.....	24,679	22,063	-	-	-	1,856	750
St. Marys River.....	4,757	4,200	-	-	(Z)	432	125
Lake Michigan, including Port of Chicago ¹	19,863	14,925	3	452	76	3,142	1,265
Lake Huron.....	23,245	18,254	4	1	3	3,608	1,376
St. Clair River, including channels in Lake St. Clair.....	5,717	4,566	1	(Z)	-	805	344
Detroit River.....	3,192	2,469	2	2	(Z)	498	231
Lake Erie, including upper Niagara River.....	16,250	8,223	28	52	18	5,758	2,171
Welland Canal.....	1,085	13	4	7	-	790	272
Lake Ontario, including lower Niagara River.....	4,951	70	20	40	(Z)	3,207	1,614
St. Lawrence River, between International Boundary Line and Lake Ontario.....	3,070	14	8	3	-	1,913	1,132

- Represents zero. Z Less than 500,000 ton-miles.

¹ Comprises Chicago Harbor, North Branch, South Branch, Sanitary Ship Canal, Calumet-Sag Channel, Lake Calumet, Calumet Harbor and River.Source: Dept. of the Army, Corps of Engineers; *Waterborne Commerce of the United States*

No. 873. FEDERAL EXPENDITURES FOR CIVIL FUNCTIONS OF THE CORPS OF ENGINEERS, UNITED STATES ARMY: 1940 TO 1968

[In thousands of dollars. For years ending June 30. Includes Puerto Rico and outlying areas. Represents funds actually expended under the direction of the Chief of Engineers for maintenance and improvement of rivers and harbors, flood control, and other miscellaneous works]

YEAR	Amount	YEAR	Amount	YEAR	Amount	YEAR	Amount
1940.....	213,889	1947.....	269,380	1954.....	539,687	1961.....	938,032
1941.....	220,734	1948.....	380,615	1955.....	511,587	1962.....	964,964
1942.....	198,041	1949.....	572,830	1956.....	556,724	1963.....	1,092,579
1943.....	222,053	1950.....	634,534	1957.....	666,433	1964.....	1,096,564
						1965.....	1,210,765
1944.....	175,589	1951.....	620,581	1958.....	718,532	1966.....	1,291,223
1945.....	134,216	1952.....	597,102	1959.....	806,427	1967.....	1,265,933
1946.....	168,957	1953.....	635,512	1960.....	868,573	1968.....	1,275,392

Source: Dept. of the Army, Corps of Engineers; annual report, *Statement of Costs*.

No. 874. COMMERCE OF SELECTED UNITED STATES PORTS: 1967

(In thousands of short tons (cargo). Excludes Great Lakes. In addition to commerce shown here, many ports have (a) commerce with ports on internal rivers and canals; (b) purely local port traffic)

PORT	Im-ports	Ex-ports	COASTWISE		PORT	Im-ports	Ex-ports	COASTWISE	
			Re-ceipts	Ship-ments				Re-ceipts	Ship-ments
Total ¹	248,245	162,443	214,647	214,647					
ATLANTIC COAST PORTS					Miami Harbor, Fla.	858	296	195	171
Portland Harbor, Maine.....	18,790	69	3,227	584	San Juan Harbor, P.R.	3,297	205	2,270	1,132
Portsmouth Harbor, N.H.....	800	(Z)	998	26	GULF COAST PORTS				
Salem Harbor, Mass.....	510	-	1,045	15	Charlotte Harbor, Fla..	216	272	-	1,106
Boston, Mass.....	7,645	710	11,093	799	Tampa Harbor, Fla.....	1,735	8,912	10,379	3,525
Fall River Harbor, Mass.....	390	-	3,272	62	Port St. Joe Harbor, Fla.....	82	59	77	
Providence River and Harbor, R.I.....	1,381	173	6,565	599	Mobile Harbor, Ala.....	8,873	1,874	237	1,877
New London Harbor, Conn.....	455	-	361	135	New Orleans, La.....	5,469	21,794	1,892	28,718
New Haven Harbor, Conn.....	2,638	254	6,807	1,654	Baton Rouge, La.....	6,658	5,156	464	9,157
Bridgeport Harbor, Conn.....	388	64	2,138	389	Lake Charles, La. ²	153	1,231	159	3,356
Norwalk Harbor, Conn.....	-	-	1,186	-	Galveston, Tex.....	200	2,064	216	56
Stamford Harbor, Conn.....	-	-	884	67	Texas City, Tex.....	54	276	396	4,155
Port of New York, N.Y., and N.J.....	49,284	6,979	29,464	19,635	Houston, Tex.....	3,632	10,149	1,856	18,084
Hempstead Harbor, N.Y.....	-	-	2,083	1,979	Corpus Christi, Tex.....	3,021	2,634	76	11,674
Port Jefferson Harbor, N.Y.....	717	(Z)	1,301	17	Harbor Island, Tex.....	-	721	-	4,600
Port of Albany, N.Y.....	1,531	305	1,890	42	Freeport Harbor, Tex.....	92	993	30	977
Delaware River and tributaries.....	46,126	3,133	32,858	8,441	Brazos Island Harbor, Tex.....	1,902	860	2	1,681
Baltimore Harbor and Channels, Md.....	17,793	4,546	3,780	1,173	Beaumont, Tex.....	48	3,257	1,168	15,612
Norfolk Harbor, Va.....	3,710	27,152	1,931	2,675	Port Arthur, Tex.....	114	2,291	4,568	10,528
Port of Newport News, Va.....	683	8,886	(Z)	1,563	PACIFIC COAST PORTS				
Port of Wilmington, N.C.....	1,110	219	2,128	130	San Diego Harbor, Calif.....	243	539	786	22
Charleston Harbor, S.C.....	1,709	920	2,623	75	Long Beach Harbor, Calif.....	3,285	4,837	2,069	1,043
Savannah Harbor, Ga.....	1,864	884	1,729	86	Los Angeles Harbor, Calif.....	5,279	5,049	6,749	6,057
Jacksonville Harbor, Fla.....	3,065	993	3,889	610	San Francisco Bay Area, Calif.....	6,540	5,616	12,789	8,241
Port Everglades Harbor, Fla.....	1,930	254	5,149	267	Stockton, Calif.....	218	1,045	167	60
					Coos Bay, Oreg.....	(Z)	1,683	410	412
					Portland, Oreg.....	1,031	4,387	4,043	385
					Vancouver, Wash.....	406	788	125	-
					Longview, Wash.....	128	2,236	472	47
					Tacoma Harbor, Wash.....	1,617	1,987	177	101
					Seattle Harbor, Wash.....	1,733	1,495	3,095	981
					Bellingham Bay and Harbor, Wash.....	651	190	18	93
					Anchorage, Alaska.....	361	(Z)	816	226
					Honolulu Harbor, Hawaii.....	1,229	161	3,004	2,202

- Represents zero.

Z Less than 500 tons.

¹ Includes data for ports not shown separately.

² Includes Calcasieu River and Pass.

Source: Dept. of the Army, Corps of Engineers; *Waterborne Commerce of the United States*.

No. 875. COMMERCE OF SELECTED GREAT LAKES PORTS: 1950 TO 1967

[In thousands of short tons (cargo). Comprises foreign, lakewise, and coastwise shipping]

PORT	RECEIPTS				SHIPMENTS			
	1950	1955	1960	1967	1950	1955	1960	1967
Total	175,637	193,591	168,043	181,425	193,511	207,588	178,287	181,279
Ashtabula Harbor, Ohio.....	10,447	9,455	7,773	5,691	3,302	3,586	2,450	1,389
Buffalo, N. Y., Port of.....	16,458	19,318	15,595	15,235	2,417	2,436	1,226	764
Chicago, Ill., Port of.....	15,813	16,872	12,303	13,501	4,093	6,349	8,411	12,497
Cleveland Harbor, Ohio.....	17,375	19,744	17,113	19,950	382	358	511	538
Conneaut Harbor, Ohio.....	9,562	14,139	6,570	7,565	2,522	994	588	6,436
Detroit, Mich., Port of.....	21,090	24,295	25,334	31,088	1,298	1,626	1,892	1,260
Duluth-Superior, Minn. and Wis.....	10,117	7,142	5,155	4,494	53,009	61,156	37,512	32,832
Indiana Harbor, Ind.....	10,355	13,695	12,116	13,778	5,182	6,886	7,059	4,704
Lorain Harbor, Ohio.....	8,153	5,563	5,036	3,647	3,204	2,258	1,659	1,419
Milwaukee Harbor, Wis.....	7,357	7,157	6,861	4,527	1,421	1,532	1,647	1,777
Sandusky Harbor, Ohio.....	1	1	38	101	9,822	7,961	5,616	5,690
Toledo Harbor, Ohio.....	4,640	6,504	5,870	6,166	29,307	28,710	27,815	32,382
All other.....	44,269	49,706	48,279	55,682	77,492	84,236	81,901	79,591

No. 876. FREIGHT CARRIED ON MISSISSIPPI RIVER SYSTEM: 1940 TO 1967

[Net traffic. Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers]

YEAR	TRAFFIC IN SHORT TONS (1,000)					TRAFFIC IN TON-MILES (millions)				
	Total	Inland	Coast-wise	Foreign		Total	Inland	Coast-wise	Foreign	
				Imports	Exports				Imports	Exports
1940.....	88,980	73,174	9,001	3,157	3,649	13,934	11,578	1,523	385	447
1945.....	95,543	82,081	4,954	3,114	5,394	19,595	17,738	849	340	668
1950.....	139,145	114,697	13,877	4,395	5,176	33,598	30,282	2,074	599	643
1955.....	194,363	163,760	16,060	6,296	8,248	52,019	47,418	2,473	1,046	1,082
1960.....	233,959	188,098	21,994	11,284	12,584	69,257	62,367	3,184	1,821	1,884
1963.....	271,320	211,540	28,370	11,082	20,327	82,315	73,520	3,843	1,928	3,024
1964.....	289,493	226,475	27,696	11,125	24,196	89,348	80,087	3,683	1,976	3,601
1965.....	301,780	237,631	28,395	13,031	22,724	96,593	87,407	3,592	2,333	3,261
1966.....	321,756	247,200	35,161	14,479	24,917	106,376	95,870	4,284	2,561	3,661
1967.....	335,371	253,621	41,331	13,847	26,572	114,579	103,475	4,861	2,447	3,796

Source of tables 875 and 876: Dept. of the Army, Corps of Engineers; through 1950, *Annual Report of the Chief of Engineers*, Part 2; thereafter, *Waterborne Commerce of the United States*.

No. 877. COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL, 1940 TO 1968, AND BY NATIONALITY OF VESSEL, 1968

[For years ending June 30. Comprises oceangoing tolls-paying vessels and foreign naval vessels of 300 net tons and over (Panama Canal measurement) for vessels rated on net tonnage, or 500 tons displacement and over for vessels rated on displacement tonnage. See also *Historical Statistics, Colonial Times to 1967*, series Q 235-237]

YEAR	Number of transits	Net tonnage ¹ (1,000)	Tolls (\$1,000)	Tons of cargo (1,000 long tons)	NATIONALITY OF VESSEL, 1968	Number of transits	Net tonnage ¹ (1,000)	Tolls (\$1,000)	Tons of cargo (1,000 long tons)
1940.....	5,370	24,144	21,145	27,299	Germany ²	1,279	6,525	5,684	4,975
1945.....	1,939	8,381	7,244	8,604	Great Britain ³	1,467	11,370	9,996	11,364
1950.....	5,448	23,013	24,430	28,872	Greece.....	444	3,722	3,223	4,468
1955.....	7,997	35,568	33,849	40,646	Japan.....	1,036	7,701	6,830	8,191
1960.....	10,795	53,302	50,939	59,258	Liberia.....	1,543	16,430	14,058	21,254
1963.....	11,017	64,438	56,368	62,247	Netherlands.....	469	2,289	1,994	2,014
1964.....	11,808	69,633	61,098	70,550	Norway.....	1,498	13,950	12,136	16,409
1965.....	11,834	74,735	65,443	76,573	Panama.....	519	2,703	2,252	2,780
1966.....	11,925	78,913	69,095	81,704	Sweden.....	466	3,394	2,955	3,037
1967.....	12,412	88,266	76,769	86,193	United States.....	1,647	13,009	11,174	8,595
1968.....	13,199	96,488	83,907	96,550	All other.....	2,831	15,395	13,605	13,463

¹ Panama Canal net. ² Federal Republic only. ³ Includes Canadian.Source: Panama Canal Company; *Annual Report*.

No. 878. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY CUSTOMS DISTRICTS: 1955 to 1967

[In thousands of net tons. Excludes domestic trade]

CUSTOMS DISTRICT	1955	1960	1962	1963	1964	1965	1966	1967
ENTERED								
North Atlantic Coast.....	71,159	75,829	80,068	83,564	85,178	88,586	89,918	89,171
With cargo.....	57,844	66,589	69,143	70,101	72,875	76,541	79,052	76,665
South Atlantic Coast.....	6,000	8,327	9,060	9,953	11,224	10,862	12,629	13,758
With cargo.....	5,292	7,808	8,099	8,465	9,038	8,709	10,300	11,015
Gulf Coast.....	17,434	27,022	32,224	32,459	36,674	37,564	36,527	34,568
With cargo.....	11,795	15,616	16,886	16,399	17,340	18,485	20,267	19,499
South Pacific Coast.....	9,582	17,148	18,664	17,736	19,206	21,546	23,174	23,665
With cargo.....	7,547	15,007	16,675	15,369	16,500	17,747	18,178	18,105
North Pacific Coast.....	6,385	10,133	9,861	11,570	11,692	12,968	14,711	17,941
With cargo.....	4,395	7,551	7,152	7,729	7,742	7,895	8,373	8,985
Great Lakes.....	14,597	16,937	19,728	21,577	24,705	25,276	26,209	24,810
With cargo.....	4,631	7,771	9,761	10,748	13,948	14,484	15,825	15,555
Alaska, Hawaii, Puerto Rico, and V.I.....	3,247	6,869	8,739	9,842	10,650	12,198	14,727	16,775
With cargo.....	2,678	5,968	7,340	7,991	8,763	9,652	11,509	12,838
CLEARED								
North Atlantic Coast.....	71,240	80,842	83,496	86,874	91,464	89,676	89,865	84,884
With cargo.....	38,903	35,510	37,868	40,296	39,781	37,778	38,387	36,845
South Atlantic Coast.....	5,846	8,612	9,275	9,726	10,908	11,227	11,590	13,084
With cargo.....	5,635	8,121	8,227	5,249	5,766	5,822	6,614	7,714
Gulf Coast.....	17,289	25,218	29,823	30,200	33,959	36,289	40,943	40,695
With cargo.....	13,920	18,825	22,825	23,501	28,192	28,981	33,828	34,189
South Pacific Coast.....	11,172	18,007	18,843	18,263	19,744	21,758	22,676	23,797
With cargo.....	10,598	14,602	14,127	14,546	14,496	16,068	18,020	19,519
North Pacific Coast.....	5,060	9,444	9,180	11,158	10,873	12,840	14,708	17,735
With cargo.....	4,130	6,923	7,068	8,639	8,068	9,769	11,228	14,003
Great Lakes.....	14,561	16,937	19,623	21,434	24,626	25,196	26,004	24,389
With cargo.....	11,831	13,106	15,020	16,730	17,454	18,641	18,602	16,277
Alaska, Hawaii, Puerto Rico, and V.I.....	4,200	7,654	8,714	9,882	10,703	11,749	13,751	15,655
With cargo.....	3,077	3,491	3,920	4,591	4,921	5,555	6,872	6,924

No. 879. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY FLAG OF CARRIER VESSEL: 1941 to 1967

[In thousands of net tons, except as indicated. Includes Puerto Rico and Virgin Islands. Excludes domestic trade. See also *Historical Statistics, Colonial Times to 1967*, series Q 192-203]

YEARLY AVERAGE OR YEAR	ALL PORTS					SEAPORTS ¹				
	All vessels					All vessels				
	Number of vessels	Total tonnage	U.S.	Foreign	Percent U.S.	Total tonnage	U.S.	Foreign	Total tonnage	U.S.
ENTERED										
1941-1945.....	38,997	67,994	34,658	33,336	51.0	52,620	30,059	22,560	28,995	16,877
1946-1950.....	48,813	87,462	46,205	41,257	52.8	75,094	42,168	32,926	50,288	26,318
1951-1955.....	48,082	114,990	39,459	75,531	34.3	100,687	35,345	65,313	78,407	26,769
1956-1960.....	51,874	165,368	31,118	124,251	20.0	139,375	26,938	112,436	117,023	21,884
1961-1965.....	49,670	187,982	33,443	154,539	17.9	166,207	29,947	136,260	120,832	18,994
1955.....	48,415	128,405	34,321	94,084	26.7	113,807	30,407	83,400	89,552	25,331
1960.....	51,375	162,765	30,189	132,575	18.5	145,828	26,708	119,119	119,639	19,955
1963.....	48,654	186,700	33,300	153,400	17.8	165,124	29,677	135,447	128,054	18,928
1964.....	50,998	199,330	34,956	164,373	17.5	174,625	30,909	143,715	132,257	19,001
1965.....	51,357	209,000	34,041	174,960	16.3	183,724	30,919	152,806	139,029	18,283
1966.....	52,182	217,894	31,487	186,407	14.5	191,684	28,621	163,063	147,768	18,641
1967.....	54,040	220,681	30,830	189,848	14.0	195,871	26,990	168,878	147,058	17,329
CLEARED										
1941-1945.....	38,195	71,792	37,283	34,509	51.9	56,304	32,585	23,718	45,147	26,377
1946-1950.....	45,135	87,190	44,942	42,244	51.5	74,889	40,933	33,953	54,584	29,510
1951-1955.....	45,324	115,447	39,533	75,914	34.2	101,213	35,531	65,682	68,396	25,407
1956-1960.....	49,079	156,376	31,157	125,219	19.9	140,498	27,018	113,478	85,273	19,791
1961-1965.....	48,098	189,274	33,913	155,360	17.9	167,581	30,459	137,121	95,963	20,363
1955.....	46,642	129,368	34,407	94,961	26.6	114,806	30,615	84,192	73,663	20,763
1960.....	49,809	166,715	31,280	135,434	18.8	149,778	27,649	122,127	84,470	18,633
1963.....	46,882	187,539	34,106	153,433	18.2	166,103	30,440	135,663	96,822	20,565
1964.....	49,636	202,262	35,337	166,924	17.5	177,636	31,409	146,225	101,212	21,501
1965.....	49,779	208,736	34,016	174,721	16.3	183,540	31,048	152,492	103,473	20,979
1966.....	51,159	219,437	32,738	186,699	14.9	193,433	29,925	163,507	114,949	24,815
1967.....	52,644	220,231	30,827	189,404	14.0	195,845	27,089	168,756	119,797	24,336

¹ Comprises all ports except Great Lakes ports.

Source of tables 878 and 879: Dept. of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and annual report, FT 975, *Vessel Entrances and Clearances*.

No. 880. EMPLOYEES IN GOVERNMENT AND PRIVATE SHIPYARDS: 1940 TO 1968

[In thousands. Prior to 1959, excludes Alaska and Hawaii. Annual average employment in establishments primarily engaged in building and repairing all types of ships, barges, canal boats, and lighters of 5 gross tons and over, whether propelled by sail or motor power or towed by other craft]

YEAR	Total	Private yards ¹	Navy yards ²	YEAR	Total	Private yards ¹	Navy yards ²
1940.....	180	103	78	1961.....	214	116	98
1945.....	1,010	718	292	1962.....	212	115	98
1950.....	146	72	74	1963.....	209	116	94
1955.....	208	101	107	1964.....	204	117	87
1957.....	225	127	98	1965.....	213	129	84
1958.....	220	125	95	1966.....	229	144	85
1959.....	214	118	97	1967.....	235	141	95
1960.....	208	112	96	1968.....	239	144	95

¹ Includes all full- and part-time employees who worked during or received pay for any part of the pay period which includes the 12th of the month. Data have been adjusted to March 1967 benchmark levels indicated by data from government social insurance programs.

² Includes Curtis Bay Coast Guard yard (Md.) through 1958.

Source: Dept. of Labor, Bureau of Labor Statistics. Current data for private yards published monthly in *Employment and Earnings* and *Monthly Report on the Labor Force*.

No. 881. EMPLOYMENT ON U.S. FLAG MERCHANT VESSELS, 1950 TO 1968, AND BASIC WAGE SCALE FOR ABLE-BODIED SEAMEN, 1953 TO 1969

[Employment data as of June 30, except as indicated]

YEAR	Employment ¹	YEAR AND MONTH	Employment ¹	YEAR AND MONTH	Monthly wage rate ⁴	YEAR AND MONTH	Monthly wage rate ⁴
1950.....	56,629	1961.....	230,930	EAST COAST ⁵		WEST COAST ⁵	
1951.....	69,473	1962.....	47,346	1953—June.....	\$314.41	1953—June.....	\$314.41
1952.....	70,736	1963.....	47,996	1956—June.....	333.27	1954—October.....	302.00
1953.....	69,125	1964.....	47,979	1957—June.....	353.27	1955—November.....	432.00
1954.....	55,797	1965.....	39,125			1956—October.....	453.00
1955.....	57,468	1966.....	51,889	1960—January.....	369.17	1957—October.....	478.00
1956.....	57,192	1967.....	54,584	1961—June.....	383.94	1960—October.....	511.50
1957.....	61,059			1962—June.....	392.58	1961—October.....	521.50
1958.....	51,515	1968—Mar. 31..	53,432	1967—June.....	422.58	1966—June.....	558.00
		June 30.....	54,150	1968—June.....	443.71	1967—June.....	577.50
1959.....	50,223	Sept. 30.....	52,044			1968—June.....	599.50
1960.....	49,153	Dec. 31.....	48,220	In effect Jan. 1, 1969.....	443.71	In effect Jan. 1, 1969.....	599.50

¹ Estimates of personnel employed on U.S. merchant ships, 1,000 gross tons and over. Excludes vessels on inland waterways, Great Lakes, and those owned by, or operated for, the U.S. Army and Navy, and special types such as cable ships, tugs, etc.

² Employment affected by maritime strike, Atlantic, Gulf, and Pacific Coast ports.

³ Decrease due to seafaring strike.

⁴ Represents basic wage, over and above subsistence (board and room), paid to seamen having qualifying experience and employed on U.S. flag merchant vessels. Excludes overtime and fringe pay benefits.

⁵ Seamen on both coasts receive extra pay for Saturdays and Sundays at sea. Beginning November 1955, West Coast incorporated this extra pay into base wages but East Coast did not.

Source: Dept. of Commerce, Maritime Administration; *Seafaring Wage Rates*, and unpublished data. Beginning 1956, monthly employment data in *Maritime Manpower Report*.

No. 882. U.S. MERCHANT MARINE—VESSELS, BY YEAR BUILT: 1965

[As of January 1. Includes Puerto Rico, Guam, and Virgin Islands. Covers documented vessels of 5 net tons or more]

PERIOD BUILT	Number	Gross tons (1,000)	YEAR BUILT	Number	Gross tons (1,000)	YEAR BUILT	Number	Gross tons (1,000)
Total.....	45,579	26,516	1941.....	844	379	1953.....	1,278	658
Unknown.....	529	33	1942.....	1,192	1,452	1954.....	1,238	594
1849-1900.....	467	106	1943.....	1,721	2,618	1955.....	1,272	449
1901-1905.....	375	192	1944.....	2,013	3,724	1956.....	1,588	491
1906-1910.....	621	598	1945.....	1,753	3,837	1957.....	1,812	701
1911-1915.....	950	230	1946.....	1,413	600	1958.....	1,494	830
1916-1920.....	1,234	309	1947.....	1,313	286	1959.....	1,378	843
1921-1925.....	1,436	361	1948.....	1,226	246	1960.....	1,129	676
1926-1930.....	2,720	492	1949.....	1,050	238	1961.....	1,016	668
1931-1935.....	1,703	200	1950.....	960	221	1962.....	1,295	870
1936-1940.....	3,390	661	1951.....	1,062	344	1963.....	1,496	991
			1952.....	1,060	462	1964.....	1,551	868

Source: Dept. of Transportation, U.S. Coast Guard; annual report, *Merchant Marine Statistics*.

No. 883. U.S. MERCHANT MARINE—SUMMARY: 1930 TO 1965

[As of June 30 through 1940; January 1, thereafter. Includes Puerto Rico, Guam, and Virgin Islands Covers documented vessels of 5 net tons or more. See also *Historical Statistics, Colonial Times to 1967*, series Q 153-174]

YEAR	NUMBER OF VESSELS			GROSS TONNAGE OF VESSELS (1,000)							
	Total	Steam and motor	All other	Total	Major class			Material of which built		Type of trade in which engaged ⁴	
					Steam and motor	Sailing ¹	Un-rigged ²	Wood	Other ³	Foreign trade	Coast-wise and internal
1930.....	25,214	18,211	7,003	16,068	13,757	757	1,554	2,554	13,514	6,206	9,723
1935.....	24,910	18,495	6,424	14,654	12,535	441	1,677	2,185	12,460	4,560	10,049
1940.....	27,212	19,504	7,708	14,018	11,353	200	2,466	2,329	11,393	3,038	10,352
1945.....	20,797	22,772	7,025	32,813	30,247	115	2,452	1,915	30,898	26,043	6,766
1950.....	36,083	28,793	7,290	31,215	28,327	82	2,806	1,952	29,263	19,154	12,048
1955.....	39,242	31,882	7,360	29,958	26,792	40	3,125	1,622	28,336	18,143	11,812
1958.....	41,276	32,988	8,288	28,586	24,599	23	3,965	1,469	27,118	16,206	12,376
1959.....	42,409	33,506	8,903	28,895	24,333	23	4,539	1,425	27,470	15,600	13,284
1960.....	43,088	33,640	9,448	28,581	23,553	23	5,005	1,397	27,184	14,737	13,833
1961.....	43,367	33,796	9,571	26,403	21,175	18	5,210	1,375	25,026	13,126	13,260
1962.....	43,566	33,852	9,714	25,456	20,076	18	5,362	1,349	24,107	12,393	12,775
1963.....	44,077	34,004	10,073	25,691	20,079	18	5,595	1,314	24,377	12,289	13,089
1964.....	44,669	34,167	10,502	26,160	20,018	17	6,125	1,260	24,900	12,580	13,276
1965 ⁴	45,579	34,361	11,218	26,516	19,730	8	6,778	1,198	25,318	12,628	13,839

AREA OF LOCATION	NUMBER OF VESSELS					GROSS TONNAGE OF VESSELS (1,000)				
	1950	1955	1960	1964	1965	1950	1955	1960	1964	1965
Total.....	36,083	39,242	43,088	44,669	45,579	31,215	29,958	28,581	26,160	26,516
Atlantic and Gulf.....	21,623	23,355	24,963	25,651	26,087	20,420	20,402	18,926	17,077	17,074
Pacific.....	10,066	10,687	10,828	10,934	10,957	8,446	7,004	5,782	4,405	4,356
Northern lakes.....	2,026	2,005	1,950	1,973	1,951	1,628	1,590	1,728	1,853	1,878
Western rivers.....	2,368	3,195	5,347	6,111	6,584	721	962	2,145	2,820	3,208

¹ Vessels propelled wholly by sail. ² Vessels having no propelling power of their own.

³ Comprises iron, steel, composite, concrete, and aluminum. Beginning 1961, includes plastic (fiberglass). For 1963, 1964, and 1965, steel amounted to 24,336,000, 24,860,000, and 25,279,000 tons, respectively.

⁴ Excludes vessels engaged in whale, cod, and mackerel fisheries.

⁵ Estimates for 1967 and 1968, respectively: Commercial documented vessels, 48,700 and 49,545; gross tonnage, 27,250,946 and 27,841,752.

Source: Dept. of Transportation, U.S. Coast Guard; annual report, *Merchant Marine Statistics*.

No. 884. U.S. MERCHANT MARINE—VESSELS, BY TYPE AND TONNAGE GROUP: 1965

[As of January 1. Includes Puerto Rico, Guam, and Virgin Islands. Covers documented vessels of 5 net tons or more]

TONNAGE GROUP	ALL VESSELS		STEAM		MOTOR		SAILING ¹		UNRIGGED ²	
	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)
Total.....	45,579	26,516	2,169	17,560	32,192	2,170	149	8	11,069	6,778
5-49 tons.....	25,968	473	14	(Z)	25,171	452	134	2	639	18
50-99 tons.....	4,369	305	23	2	3,907	270	6	(Z)	433	32
100-499 tons.....	6,950	1,975	112	28	2,638	540	6	2	4,194	1,405
500-999 tons.....	4,965	3,636	39	28	228	151	1	1	4,697	3,457
1,000-4,999 tons.....	1,425	2,592	122	372	211	458	2	3	1,090	1,759
5,000-9,999 tons.....	1,449	10,901	1,401	10,558	32	236	-	-	16	107
10,000-19,999 tons.....	418	5,442	413	5,380	5	62	-	-	-	-
20,000 tons and over.....	45	1,192	45	1,192	-	-	-	-	-	-

- Represents zero. Z Less than 500 gross tons. ¹ Vessels propelled wholly by sail. ² Vessels having no propelling power of their own.

Source: Dept. of Transportation, U.S. Coast Guard; annual report, *Merchant Marine Statistics*.

Merchant Vessels

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No. 885. UNITED STATES FLAG MERCHANT VESSELS, STEAM AND MOTOR: 1940 TO 1968

[Dead-weight tonnage in thousands. As of June 30, except as indicated. Covers oceangoing vessels of 1,000 gross tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types and vessels employed on Great Lakes]

YEAR AND TYPE OF VESSEL	ALL VESSELS		ACTIVE VESSELS														TEMPORARILY INACTIVE		RESERVE FLEET		SPECIAL SERVICE	
	Num- ber	Tons	Total		Foreign trade		Domestic trade						Num- ber	Tons	Num- ber	Tons	Num- ber	Tons	Num- ber	Tons		
			Num- ber	Tons	Num- ber	Tons	Total		Coastwise		Intercoastal										Noncontiguous	
							Num- ber	Tons	Num- ber	Tons	Num- ber	Tons									Num- ber	Tons
1940	1,300	11,019	1,118	9,643	425	3,749	693	5,893	500	4,172	122	1,189	71	532	181	1,367	-	-	1	10		
Combination	140	873	112	696	66	514	46	182	36	129	1	8	9	45	28	176	-	-	-	-		
Cargo	790	6,020	641	4,882	291	2,443	350	2,438	188	988	109	1,033	53	417	148	1,129	-	-	1	10		
Tanker	370	4,126	365	4,065	68	791	297	3,273	276	3,054	12	148	9	70	5	62	-	-	-	-		
1946 (Sept. 30)	4,852	50,263	2,332	25,399	1,890	20,592	442	4,807	297	3,480	54	563	91	757	533	4,998	1,557	16,138	480	3,728		
Combination	117	800	25	165	15	127	10	38	-	-	-	-	-	33	175	33	213	-	-	-		
Cargo	3,829	36,675	1,833	18,110	1,607	16,200	226	1,910	101	728	53	561	72	617	450	4,198	1,159	11,069	387	3,298		
Tanker	906	12,785	474	7,122	268	4,264	206	2,858	196	2,751	1	2	9	101	55	624	365	4,856	12	183		
1950	3,408	36,526	1,145	13,828	711	8,353	434	5,474	279	3,716	87	1,131	68	626	86	845	2,177	21,853	-	-		
Combination	83	639	51	51	45	389	6	28	-	-	-	-	28	4	4	27	28	195	-	-		
Cargo	2,846	28,927	682	7,075	505	5,367	177	1,708	66	559	53	649	53	500	42	384	2,122	21,468	-	-		
Tanker	479	6,959	412	6,335	161	2,597	251	3,737	213	3,157	29	482	9	98	40	434	27	190	-	-		
1955	3,235	35,017	1,026	12,872	601	6,992	425	5,880	271	3,999	75	996	79	885	89	1,099	1,983	19,887	137	1,369		
Combination	249	1,657	40	371	39	361	1	10	-	-	-	-	65	10	14	68	185	1,166	10	82		
Cargo	2,560	26,539	652	7,033	492	5,383	160	1,650	43	385	52	591	13	65	28	288	1,760	18,070	120	1,149		
Tanker	426	6,790	334	5,468	70	1,248	264	4,220	228	3,614	23	405	13	201	47	742	38	451	7	129		
1960	2,960	32,821	980	12,467	558	6,541	372	5,926	237	4,284	50	717	85	925	99	1,400	1,884	18,279	47	675		
Combination	306	2,044	36	319	34	305	2	14	-	-	-	-	2	14	4	31	265	1,686	1	6		
Cargo	2,226	23,015	627	6,854	479	5,265	148	1,589	35	375	39	442	74	773	35	376	1,536	15,530	28	255		
Tanker	428	7,762	267	5,295	45	972	222	4,323	202	3,910	11	275	11	138	60	993	83	1,062	18	414		
1963	2,101	25,699	723	11,266	481	6,332	242	4,934	134	3,105	35	693	73	1,136	48	749	949	8,535	381	5,150		
Combination	205	1,343	23	204	22	200	1	4	-	-	-	-	4	3	4	31	24	176	3	23		
Cargo	1,581	16,993	486	5,977	421	5,180	65	797	9	123	15	221	41	453	31	400	739	7,025	325	3,592		
Tanker	315	7,363	214	5,085	38	952	176	4,133	125	2,982	20	472	31	679	14	325	34	418	53	1,535		

- Represents zero.

1 Includes ships originally constructed as cargo ships but converted to transports, hospital ships, etc., previously included in cargo classification as follows: 1955, 181 ships of 1,124,000 tons; 1960, 237 ships of 1,427,600 tons; 1968, 171 ships of 1,046,000 tons.

Source: Dept. of Commerce, Maritime Administration; *Employment Report of United States Flag Merchant Fleet Oceangoing Vessels 1,000 Gross Tons and Over, June 1968.*

No. 886. MERCHANT VESSELS COMPLETED BY U.S. SHIPYARDS: 1930 TO 1968

[Tons in thousands. Represents self-propelled steel vessels of 2,000 gross tons and over. Excludes Alaska and Hawaii]

YEAR	ALL MERCHANT VESSELS		PASSENGER-CARGO/TRANSPORT			CARGO			TANKER		
	Number	Gross tons	Number	Gross weight	Dead-weight tons	Number	Gross tons	Dead-weight tons	Number	Gross tons	Dead-weight tons
1930	18	164	5	50	39	2	16	24	11	97	161
1935	2	19	-	-	-	-	-	-	2	19	30
1940	53	445	6	69	61	31	227	335	16	149	238
1944	1,463	11,403	48	461	330	1,175	8,455	11,858	240	2,486	3,955
1945	1,041	7,615	46	509	311	807	5,336	7,206	188	1,770	2,787
1950	26	405	-	-	-	3	27	44	23	378	609
1955	9	119	-	-	-	7	84	95	2	35	55
1960	26	410	-	-	-	15	134	163	11	276	456
1961	25	369	-	-	-	18	190	224	7	179	298
1962	27	392	1	14	10	23	265	303	3	113	185
1963	35	418	6	51	31	23	250	289	6	117	200
1964	15	213	1	14	9	10	104	123	4	95	166
1965	13	173	-	-	-	11	121	154	2	52	92
1966	13	146	-	-	-	12	125	161	1	21	36
1967	12	143	-	-	-	12	143	150	-	-	-
1968	21	319	-	-	-	18	256	301	3	63	113

Represents zero.

Source: 1930-1964, American Bureau of Shipping, New York, N.Y., annually in *The Bulletin*. Beginning 1965, Dept. of Commerce, Maritime Administration; annual report, *New Ship Construction*.

No. 887. SHIPBUILDING IN PRIVATE SHIPYARDS—SUMMARY: 1950 TO 1968

[Tons in thousands: Gross tons for commercial vessels, light displacement tons for naval vessels. Covers steel vessels of 1,000 tons or over]

ITEM	1950		1960		1965		1967		1968	
	Number	Tons	Number	Tons	Number	Tons	Number	Tons	Number	Tons
COMMERCIAL VESSELS										
Under construction, Jan. 1	39	636	60	979	47	550	48	596	64	1,211
Contracted for	16	181	23	270	16	166	29	740	23	613
Launched	26	422	31	471	17	221	15	182	27	454
Delivered	26	415	25	404	18	203	13	162	24	329
Under construction, Dec. 31	29	401	58	844	45	513	64	1,211	63	1,495
NAVAL VESSELS										
Under construction, Jan. 1	11	42	52	334	101	537	147	745	134	686
Contracted for	-	-	19	115	23	158	8	50	15	153
Launched	-	-	16	170	15	102	15	137	26	138
Delivered	-	-	12	39	18	122	21	109	16	138
Under construction, Dec. 31	11	42	59	410	106	573	134	686	133	701

- Represents zero. ¹ Adjusted to account for major changes made during construction.Source: Shipbuilders Council of America, Washington, D.C.; *Annual Report*, and unpublished data.

No. 888. VESSELS REPAIRED OR CONVERTED IN PRIVATE SHIPBUILDING AND SHIP REPAIR YARDS: 1950 TO 1968

YEAR	TOTAL		VESSELS UNDER 1,000 GROSS TONS		VESSELS OVER 1,000 GROSS TONS	
	Yards reporting ¹	Vessels	Yards reporting	Vessels	Yards reporting	Vessels
1950	118	33,287	111	17,993	80	15,294
1955	144	35,413	130	21,122	89	14,291
1960	159	37,774	132	24,991	93	12,783
1963	139	39,990	129	27,890	102	12,186
1964	146	37,500	132	26,777	93	10,723
1965	136	35,600	117	22,900	93	12,700
1966	135	33,100	110	19,600	75	13,500
1967	130	37,400	112	24,500	85	12,900
1968	128	37,200	114	24,300	81	12,900

¹ Not additive.Source: Shipbuilders Council of America, Washington, D.C.; *Annual Report*, and unpublished data.

No. 889. MERCHANT VESSELS LAUNCHED AND OWNED—WORLD AND UNITED STATES: 1940 TO 1968

[Vessels of 100 gross tons and over. Beginning 1945, excludes sailing ships, nonpropelled craft, and all ships built of wood]

YEAR	WORLD				UNITED STATES			
	Launched		Owned		Launched		Owned	
	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)
1940.....	495	1,754	(1)	(1)	187	579	(1)	(1)
1945.....	1,311	7,189	(1)	(1)	880	5,968	(1)	(1)
1950.....	990	3,489	27,922	83,996	51	437	4,531	27,404
1955.....	1,437	5,315	29,967	100,069	26	73	4,225	26,343
1960.....	2,020	8,356	34,056	129,339	60	485	3,845	24,781
1965.....	2,280	12,216	39,628	159,979	130	270	3,224	21,478
1966.....	2,561	14,307	40,822	170,730	191	167	3,140	20,750
1967.....	2,778	15,780	42,234	181,709	231	242	3,115	20,286
1968.....	2,798	16,908	45,343	193,770	199	441	3,049	19,623

¹ Not recorded.

Source: Lloyd's Register of Shipping, London, England; *Register Book Statistical Tables and Annual Summary of Merchant Ships Launched in the World*.

No. 890. MERCHANT FLEETS OF THE WORLD, BY TYPE OF VESSEL AND COUNTRY OF REGISTRATION: 1966

[Vessels of 1,000 gross tons and over. As of December 31. Specified countries have 100 or more ships]

COUNTRY OF REGISTRY	TOTAL		COMBINATION PASSENGER AND CARGO		FREIGHTERS		BULK CARRIERS ¹		TANKERS	
	Number	Average age (years)	Number	Average age (years)	Number	Average age (years)	Number	Average age (years)	Number	Average age (years)
World total.....	18,423	17	1,054	21	11,611	16	2,104	11	3,654	11
United States.....	2,278	21	227	22	1,673	22	59	22	319	18
Privately owned.....	965	19	27	16	606	19	57	22	275	17
Government-owned.....	1,313	23	200	23	1,067	24	2	23	44	24
Foreign.....	16,145	14	827	20	9,938	15	2,045	10	3,335	11
Argentina.....	158	23	17	19	75	23	4	34	62	24
Australia.....	105	14	5	14	43	15	45	14	12	11
Brazil.....	227	21	15	36	146	24	17	18	49	11
British Colonies ²	161	18	15	22	113	19	17	11	16	13
China (Taiwan).....	119	20	4	26	106	20	1	27	8	17
China (mainland).....	180	24	20	26	122	25	19	16	19	17
Denmark.....	342	10	20	22	246	10	19	8	57	6
Finland.....	225	16	8	35	165	14	18	22	34	13
France.....	537	12	42	16	283	13	58	10	154	11
Germany, Fed. Rep. of.....	860	11	15	16	725	11	69	9	51	10
Greece.....	952	19	48	28	679	21	81	11	144	14
India.....	219	11	15	18	168	12	27	3	21	8
Indonesia.....	141	13	29	15	89	14	2	1	17	8
Italy.....	586	18	71	19	268	23	100	10	147	14
Japan.....	1,406	9	26	14	881	10	234	6	265	7
Lebanon.....	134	28	-	(X)	124	27	10	36	-	(X)
Liberia.....	1,429	14	12	23	521	19	330	11	566	11
Netherlands.....	469	11	36	19	311	11	34	7	88	10
Norway.....	1,356	10	29	13	616	12	256	6	455	8
Panama.....	571	23	18	30	376	26	37	23	140	15
Philippines.....	106	16	9	8	84	18	5	12	8	12
Poland.....	175	13	1	31	144	13	24	14	6	13
Spain.....	335	24	40	23	201	28	20	26	74	13
Sweden.....	433	11	9	28	265	13	85	9	74	7
Turkey.....	106	25	24	26	71	27	1	22	10	15
United Kingdom.....	1,985	12	111	17	1,154	12	297	10	423	10
U.S.S.R.....	1,343	12	67	22	895	12	119	11	262	8
Yugoslavia.....	181	14	15	15	140	15	13	9	13	11
All others ³	1,304	14	106	21	927	14	103	13	168	14

- Represents zero. X Not applicable. ¹ Includes ore carriers and ore/oil carriers.

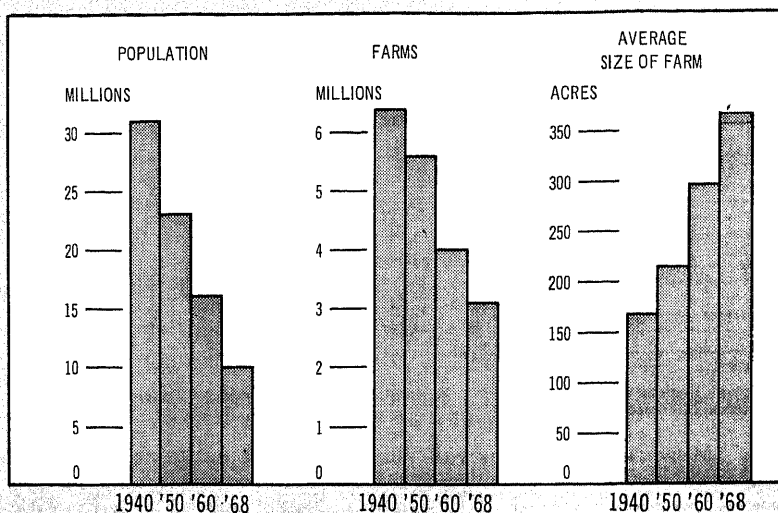
² Comprises Bahamas Islands, Bermuda, Borneo, Cayman Island, Gibraltar, Hong Kong, Kenya, and Singapore.

³ Includes countries with less than 100 merchant type ships of 1,000 gross tons and over.

Source: Dept. of Commerce, Maritime Administration; biennial report, *A Statistical Analysis of the World's Merchant Fleets*, December 1966.

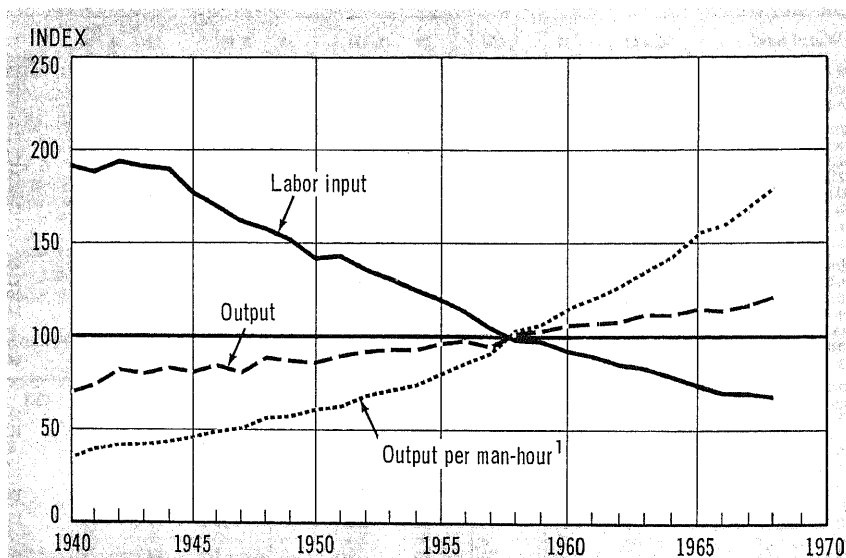
FIG. XXXVI. FARM POPULATION, FARMS, AND FARM SIZE: 1940 TO 1968

[See tables 891 and 892]



No. XXXVII. FARM OUTPUT INDEXES: 1940 TO 1968

[1957-59=100. See tables 925 and 926]

¹ Preliminary.

Source of figs. XXXVI and XXXVII: Charts prepared by Dept. of Commerce, Bureau of the Census. Data from Dept. of Agriculture, Economic Research Service.

Section 23

Agriculture

This section presents statistics concerning the structure of our agricultural economy. Included are data on farms and farm population; land utilization and conservation; farm income, expenditures, and debt; farmer cooperatives; farm output and marketings; trade in agricultural products; and data on specific crops, livestock, poultry, and livestock and poultry products.

The principal sources of these data are reports issued by the Bureau of the Census, which conducts a Census of Agriculture every 5 years and Censuses of Irrigation and of Drainage every 10 years; and three annual reports, *Agricultural Statistics*, *Crop Production*, and *Crop Values*, issued by the Statistical Reporting Service, Department of Agriculture. Other important sources include *The Balance Sheet of Agriculture*, *Changes in Farm Production and Efficiency*, *The Farm Income Situation*, and other *Situation* reports, issued by the Economic Research Service, Department of Agriculture. Sources of current data on agricultural exports and imports include *Foreign Agricultural Trade*, also published by the Economic Research Service, and the reports of the Bureau of the Census, particularly Report FT 135, *U.S. Imports, General and Consumption*, *Schedule A Commodity and Country*, and Report FT 410, *U.S. Exports, Schedule B Commodity and Country*.

A Census of Agriculture has been taken by personal enumeration of individual farms every 10 years since 1840 and every 5 years since 1920. The first census included such items as numbers of livestock, production of wool, value of poultry and dairy products, and production of principal crops. Data on number, acreage, and value of farms were first obtained in the 1850 census; on farm tenure, in 1880; and on a detailed classification of farmland by use, in 1925. The 1964 Census of Agriculture is the most recent one for which complete data are available.

Annual agricultural statistics of a wide variety have been issued by the Department of Agriculture for over 100 years. The 44 field offices of the Statistical Reporting Service collect data from voluntary reporters. State estimates and other information are sent to the Crop Reporting Board of the Statistical Reporting Service, which issues reports containing State, regional, and national data.

Statistics compiled by the Statistical Reporting Service on crops, livestock and livestock products, agricultural prices, farm employment, and other related subjects are based mainly on data obtained through mail questionnaires. The basic information is obtained from nearly three-fourths of a million reporters, mostly farmers, who report for their own and nearby farms on some 80 crops and scores of other items pertaining to agricultural production and farm family living.

Farms and farmland.—In the course of its history, the Bureau of the Census has used varying definitions of a farm. In the 1959 and 1964 censuses, places of less than 10 acres were counted as farms if estimated sales of agricultural products for the year amounted to at least \$250, and places of 10 or more acres if such sales amounted to at least \$50. In the 1950 and 1954 censuses, places of 3 or more acres were counted as farms if the annual *value* of agricultural products, whether for home use or for sale, but exclusive of home-garden products, amounted to \$150 or more; places of less than 3 acres were counted as farms only if the annual *sales* amounted to \$150 or more. For definitions used in earlier censuses, see *U.S. Census of Agriculture: 1964*, Vol. II, Introduction.

Estimates based on evaluation studies of the 1959 and 1964 census results indicate an underenumeration of 341 thousand farms in 1959, 8.4 percent of the estimated total number, and of 401 thousand farms, or 11.3 percent, in 1964. In both censuses, the estimated underenumeration of land in farms amounted to 71.5 million acres, or 6 percent of the estimated total acreage. Except as noted, data from those censuses have not been adjusted for the estimated underenumeration. Additional details are given in *U.S. Census of Agriculture: 1959, and 1964*; Vol. II, Introduction.

Currently included as farms are such agricultural enterprises as nurseries, greenhouses, hothouses, mushroom houses, and cranberry bogs; excluded are fish farms, fish hatcheries, oyster farms, frog farms, fur farms, apiaries, kennels, game preserves, parks, and the like. In the case of landowners who had one or more tenants, renters, croppers, or managers, the land operated by each was counted as a separate farm.

In the 1964 census, farms classified as commercial were generally those with sales of \$2,500 or more, and also those with sales of \$50 to \$2,499 provided the operator was under 65 years of age and did not work off the farm 100 or more days during the year.

Farmland refers to all land under the control of a farm operator and considered as part of his farm, including land not actually under cultivation or used for pasture or grazing. Rent-free land was included as part of the farm only if the operator had sole use of it. Land used for pasture or grazing that was neither owned nor leased by the farm operator, such as national forests, Taylor grazing land, State or other public lands, and some railroad and other privately owned lands, is not included.

Irrigation and drainage.—Irrigated land as defined by the Bureau of the Census is the net acreage of farmland to which irrigation water was applied during the census year. It excludes land not irrigated during the year and also irrigated nonfarm land. In the 18 Western States (Alaska excluded) and Louisiana, the Bureau of the Census collects information on irrigation at 10-year intervals from irrigation companies, districts, and other organizations, and from farms that operate their own irrigation works. Irrigation information for other States is generally limited to the regular farm census. Following the 1954 and 1959 censuses, a special survey of irrigation was conducted in humid areas.

In the 1950 and 1960 drainage censuses, the Bureau of the Census enumerated, in general, only organized enterprises with 500 acres or more of drained farmland. In 1950, smaller irrigation enterprises which had their own drainage works were also included. In the 1920 to 1940 censuses, all organized enterprises draining farmlands were included regardless of size.

Soil conservation.—Soil conservation district legislation has been enacted in all 50 States, Puerto Rico, and the Virgin Islands. Soil conservation districts have broad responsibility and authority for conservation and development of soil, water, and related resources. In most cases, districts have authority to accept Federal, State, county, and private assistance for their soil and water conservation programs.

Farm income.—Cash income is the cash receipts from farm marketings and represents quantities of agricultural products sold by farmers multiplied by prices received per unit of production at the local market. Gross farm income includes cash receipts and also Government payments, value of farm products consumed on farms, and rental value of farm homes.

Information on prices received is obtained by the Statistical Reporting Service of the Department of Agriculture from about 33,000 voluntary reporters, including farmers, local merchants, and handlers of agricultural products. Season average prices received by farmers are calculated by weighting midmonth prices by monthly sales during the crop marketing season, beginning with the first month in which a particular crop harvest begins.

Crop reporting.—Estimates by the Department of Agriculture's Statistical Reporting Service of crop acreage and production for the census years are set up currently from available information and, if necessary, are later revised to a level based largely

on the census enumerations. Estimates for intercensal years are based on sample data obtained each year from individual reporters, supplemented by such data as State assessors' enumerations of agricultural information, reports of carlot shipments, warehouse receipts, local surveys, personal observations by field statisticians, and reports from other sources. Cotton acreage and production are also based on sample data and on ginning information gathered by the Bureau of the Census.

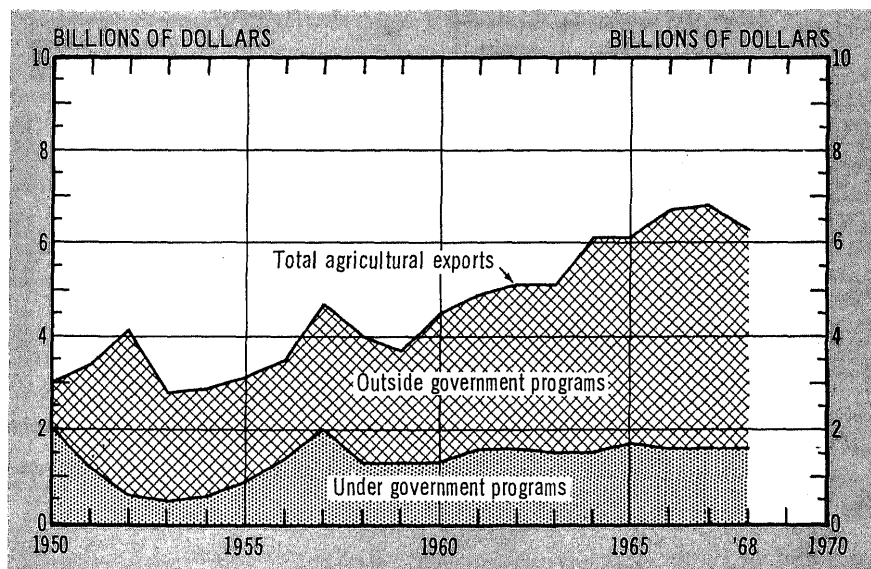
Livestock.—Each Census of Agriculture from 1840 through 1900 was taken as of June 1. The various quinquennial and decennial censuses since then have been taken as of January, April, or the fall, as specified in the published results. Comparison of livestock inventories from census to census is seriously affected by changes in date of enumeration. From January to April, and from October and November to January, material changes occur in numbers on hand in most parts of the country, due to births, marketings, farm slaughter, etc. To obtain as much comparability as possible, the censuses taken in April either excluded recently born animals from the enumeration or provided for their enumeration in a separate age group. Volume II of *U.S. Census of Agriculture: 1964* shows a complete history of the enumeration of livestock and analyzes comparability from census to census.

Annual inventory numbers of livestock on farms and estimates of livestock, dairy, and poultry production prepared by the Department of Agriculture are based on information from farmers, supplemented by State assessors' data and by records of brand inspections, rail and truck shipments, and slaughter. The level for these inventories is based largely on interpretations of quinquennial census enumerations.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

FIG. XXXVIII. AGRICULTURAL EXPORTS OUTSIDE AND UNDER GOVERNMENT PROGRAMS: 1950 TO 1968

[See table 932]



Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from Dept. of Agriculture, Economic Research Service.

No. 891. FARM POPULATION AND COMPONENTS OF CHANGE: 1920 TO 1968

[In thousands, except as indicated. Prior to 1959, excludes Alaska and 1960, Hawaii. Figures for 1945 to 1959 are revised to provide a continuous series approximating the new definition of farm population; see text, p. 2. See *Historical Statistics, Colonial Times to 1957*, series C 74-79, for estimates for 1920 to 1944]

YEAR	Farm population, Apr. 1	NET CHANGE SINCE PRECEDING APRIL		Farm population as percent of total population ²	YEAR	Farm population, Apr. 1	NET CHANGE SINCE PRECEDING APRIL		Farm population as percent of total population ²
		Births and deaths	Migration ¹				Births and deaths	Migration ¹	
1920.....	31,974	(NA)	(NA)	30.1	1955.....	19,078	268	-210	11.6
1925.....	31,190	500	-487	27.0	1956.....	18,712	261	-527	11.2
1930.....	30,529	426	-477	24.9	1957.....	17,656	239	-1,295	10.4
1935.....	32,161	383	-527	25.3	1958.....	17,128	220	-748	9.9
1940.....	30,547	410	-703	23.2	1959.....	16,592	203	-740	9.4
1945.....	24,420	353	-748	17.5	1960.....	15,635	184	-1,142	8.7
1946.....	25,403	312	671	18.0	1961.....	14,803	168	-1,000	8.1
1947.....	25,829	470	-44	18.0	1962.....	14,313	156	-646	7.7
1948.....	24,383	443	-1,889	16.7	1963.....	13,397	140	-1,086	7.1
1949.....	24,194	397	-586	16.3	1964.....	12,954	121	-533	6.8
1950.....	23,048	392	-1,537	15.3	1965.....	12,363	112	-703	6.4
1951.....	21,890	373	-1,531	14.2	1966.....	11,595	90	-858	5.9
1952.....	21,748	341	-483	13.9	1967.....	10,875	73	-793	5.5
1953.....	19,874	328	-2,201	12.5	1968.....	10,454	60	-481	5.2
1954.....	19,019	296	-1,151	11.8					

NA Not available.

¹ Beginning 1940, includes inductions and enlistments into Armed Forces, and persons returning from Armed Forces. For all years, includes persons who did not move but who were in and out of the farm population because agricultural operations began or ceased, respectively, on the place where they were living.

² Total population includes Armed Forces abroad.

Source: Dept. of Agriculture, Economic Research Service; *Farm Population, Estimates for 1910-52*, and annual report, *Farm Population Estimates*.

No. 892. FARMS—NUMBER AND ACREAGE: 1920 TO 1969

[Prior to 1959, excludes Alaska and Hawaii. Estimated. For definition of farms and farmland, see text, pp. 587-588. See also *Historical Statistics, Colonial Times to 1957*, series K 1-2]

YEAR	Number of farms ¹ (1,000)	LAND IN FARMS		YEAR	Number of farms ¹ (1,000)	LAND IN FARMS	
		Total (mil. acres)	Average per farm (acres)			Total (mil. acres)	Average per farm (acres)
1920.....	6,518	956	147	1955.....	4,654	1,202	258
1925.....	6,471	924	143	1956.....	4,514	1,197	265
1930.....	6,546	987	151	1957.....	4,372	1,191	273
1935.....	6,814	1,055	155	1958.....	4,233	1,185	280
1940.....	6,350	1,061	167	1959.....	4,105	1,183	288
1945.....	5,967	1,142	191	1960.....	3,962	1,177	297
1946.....	5,926	1,145	193	1961.....	3,821	1,170	306
1947.....	5,871	1,148	196	1962.....	3,685	1,161	315
1948.....	5,803	1,152	199	1963.....	3,561	1,153	324
1949.....	5,722	1,155	202	1964.....	3,442	1,147	333
1950.....	5,648	1,202	213	1965.....	3,340	1,142	342
1951.....	5,428	1,204	222	1966.....	3,239	1,137	351
1952.....	5,198	1,205	232	1967.....	3,146	1,132	360
1953.....	4,984	1,206	242	1968.....	3,054	1,128	369
1954.....	4,798	1,206	251	1969 (prel.).....	2,976	1,123	377

¹ Census years have been adjusted for underenumeration and for changes in definition of a farm; intercensal years are based on trend and on indications of change in acreage and livestock surveys.

Source: Dept. of Agriculture, Statistical Reporting Service; *Number of Farms, 1910-1959; Land in Farms, 1950-1959, By States*, 1962 (Statistical Bulletin No. 316), supplemented annually by *Number of Farms and Land in Farms*; and unpublished data.

No. 893. CHARACTERISTICS OF FARM OPERATORS: 1959 AND 1964

[Number in thousands; income in millions of dollars, except as indicated. All 1959 data, and 1964 data for income from sources other than farm operated, based on sample]

ITEM	1959		1964		ITEM	1959		1964	
	Total	Percent	Total	Percent		Total	Percent	Total	Percent
Total.....	3,708	100.0	3,158	100.0	School years completed:				
Color and residence:					Less than 5.....	(NA)	(NA)	226	7.1
White.....	3,423	92.3	2,958	93.7	8 (elementary school)...	(NA)	(NA)	851	26.9
Nonwhite.....	285	7.7	200	6.3	12 (high school).....	(NA)	(NA)	763	24.2
North.....	1,715	46.3	1,480	46.9	16 or more (college)....	(NA)	(NA)	139	4.4
South.....	1,645	44.4	1,373	43.5	Years on present farm:				
White.....	1,379	37.2	1,188	37.6	Less than 5.....	639	17.2	612	19.4
Commercial farms..	748	20.2	702	22.2	5-9.....	630	17.0	469	14.9
Nonwhite.....	266	7.2	185	5.8	10 or more.....	2,340	63.1	1,906	60.4
Commercial farms..	153	4.1	118	3.7	Not reporting.....	100	2.7	171	5.4
West.....	349	9.4	306	9.7	Working off farm:				
Residing on farm operated.....	3,236	87.3	2,774	87.8	Less than 100 days....	556	15.0	449	14.2
Not residing on farm operated.....	287	7.2	291	9.2	100-199 days.....	230	6.2	189	6.0
Not reporting.....	207	5.6	93	2.9	200 or more days.....	878	23.7	824	26.1
Age:					No work or not reporting.....	2,044	55.1	1,696	53.7
Under 25 years.....	62	1.7	53	1.7	Income of household from sources other than farm operated:				
25-34 years.....	403	10.9	309	9.8	Households reporting income.....	(NA)	(NA)	2,564	81.2
35-44 years.....	806	21.7	654	20.7	Total income.....	(NA)	(NA)	10,053	100.0
45-54 years.....	980	26.4	851	27.0	Wages and salaries....	(NA)	(NA)	6,461	64.2
55-64 years.....	803	21.6	742	23.5	Nonfarm business or profession.....	(NA)	(NA)	1,155	11.5
65 years or more.....	617	16.6	548	17.4	Social security, pensions, veteran and welfare payments..	(NA)	(NA)	842	8.4
Not reporting age.....	37	1.0	(X)	(X)	Rent from farms and nonfarm property, interest, dividends.....	(NA)	(NA)	1,605	16.0
Average age.....years..	50.5	(X)	51.3	(X)					

NA Not available. X Not applicable.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1964*, Vol. II.

No. 894. PERSONS IN FARM HOUSEHOLDS: 1964

ITEM	Total (1,000)	Percent	ITEM	Total (1,000)	Percent	ITEM	Total (1,000)	Percent
Total.....	11,250	100.0	Age:			Income other than from farm operated: ¹		
Sex:			Under 5 years.....	831	7.4	Under \$1,000.....	606	23.6
Male.....	5,863	52.1	5-14 years.....	2,508	22.3	\$1,000-\$2,999.....	735	28.7
Female.....	5,387	47.9	15-24 years.....	1,522	13.5	\$3,000-\$4,999.....	472	18.4
Color:			25-44 years.....	2,318	20.6	\$5,000 and over....	749	29.2
White.....	10,369	92.2	45-64 years.....	3,053	27.1			
Nonwhite.....	882	7.8	65 years and over..	1,018	9.0			

¹ Data refer to households reporting.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1964*, Vol. II.

No. 895. FARMS—NUMBER, BY SIZE, 1940 TO 1964, AND BY ACREAGE, 1964

[1954 excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 61-72]

SIZE OF FARM	NUMBER OF FARMS (1,000)					1964				
	1940	1950	1954	1959	1964	Land in farms (1,000 acres)	Crop-land har- vested (1,000 acres)	Percent distribution		
								Num-ber of farms	All land in farms	Crop-land har-vested
Total	6, 102	5,388	4,782	3,711	3, 158	1, 110, 187	286, 892	100.0	100.0	100.0
Under 10 acres.....	509	489	484	244	183	778	360	5.8	0.1	0.1
10-49 acres.....	1, 782	1, 480	1, 213	813	637	17, 327	6, 072	20.2	1.6	2.1
50-99 acres.....	1, 291	1, 048	864	658	542	39, 590	13, 239	17.2	3.6	4.6
100-179 acres.....	1, 310	1, 103	953	773	633	86, 598	34, 392	20.1	7.8	12.0
180-259 acres.....	486	487	464	414	355	76, 854	33, 798	11.3	6.9	11.8
260-499 acres.....	450	478	482	472	451	159, 597	72, 006	14.3	14.4	25.1
500-999 acres.....	164	182	192	200	210	144, 598	57, 211	6.6	13.0	19.9
1,000-1,999 acres.....	101	121	131	79	85	115, 993	35, 363	2.7	10.4	12.3
2,000 acres and over ...				57	60	468, 854	34, 453	1.9	42.2	12.0

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1964*, Vol. II.

No. 896. FARMS—NUMBER, ACREAGE, AND VALUE OF SALES, BY ECONOMIC CLASS: 1959 AND 1964

[Based on reports for a sample of farms. For definition of commercial farm, see text, p. 587]

ECONOMIC CLASS OF FARMS (value of farm products sold)	Farms (1,000)	ACREAGE		VALUE OF SALES		PERCENT DISTRIBUTION		
		Total (1,000)	Average per farm	Total (mil. dol.)	Average per farm (dol.)	Farms (1,000)	Acreage total (1,000)	Value of sales, total (mil. dol.)
1959								
Commercial farms	2, 416	977, 276	405	29, 463	12, 195	100.0	100.0	100.0
\$50-\$2,499.....	349	37, 100	106	461	1, 321	14.4	3.8	1.6
\$2,500-\$4,999.....	618	118, 546	192	2, 275	3, 683	25.6	12.1	7.7
\$5,000-\$9,999.....	654	188, 531	288	4, 723	7, 222	27.1	19.3	16.0
\$10,000-\$19,999.....	483	214, 907	445	6, 705	13, 882	20.0	22.0	22.8
\$20,000-\$39,999.....	210	166, 444	791	5, 648	26, 842	8.7	17.0	19.2
\$40,000 or more.....	102	251, 748	2, 466	9, 651	94, 531	4.2	25.8	32.8
Other farms	1, 292	146, 103	113	1, 162	900	100.0	100.0	100.0
Part-time.....	885	67, 627	76	708	801	68.5	46.3	60.9
Part-retirement.....	404	35, 600	88	345	854	31.3	24.4	29.7
Abnormal.....	3	42, 876	14, 292	109	36	0.2	29.3	9.4
1964								
Commercial farms	2, 166	965, 458	446	34, 369	15, 869	100.0	100.0	100.0
\$50-\$2,499.....	348	42, 484	122	364	1, 044	16.1	4.4	1.1
\$2,500-\$4,999.....	444	91, 540	206	1, 611	3, 629	20.5	9.5	4.7
\$5,000-\$9,999.....	505	157, 921	313	3, 663	7, 240	23.3	16.4	10.6
\$10,000-\$19,999.....	467	217, 356	465	6, 614	14, 160	21.6	22.5	19.2
\$20,000-\$39,999.....	260	185, 726	715	7, 114	27, 373	12.0	19.2	20.7
\$40,000 or more.....	142	270, 430	1, 906	15, 012	105, 786	6.6	28.0	43.7
Other farms	992	144, 729	146	925	932	100.0	100.0	100.0
Part-time.....	639	85, 379	91	495	775	64.4	40.3	53.5
Part-retirement.....	351	36, 741	105	284	809	35.4	25.4	30.7
Abnormal.....	2	49, 608	24, 804	146	67	0.2	34.3	15.8

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1964*, Vol. II.

No. 897. FARMS—NUMBER, ACREAGE, AND VALUE, BY STATES: 1959 AND 1964

[For composition of regions, see fig. I, p. xii]

STATE	NUMBER OF FARMS (1,000)		ALL LAND IN FARMS (1,000 acres)		AVERAGE ACREAGE PER FARM		TOTAL VALUE ¹ (mil. dol.)		AVERAGE VALUE PER FARM ¹ (\$1,000)	
	1959	1964	1959	1964	1959	1964	1959	1964	1959	1964
U.S.-----	3,711	3,158	1,123,508	1,110,187	303	352	129,005	159,932	35	51
North-----	1,715	1,480	421,440	415,069	246	281	61,761	71,082	36	48
South-----	1,646	1,373	357,448	348,228	217	252	39,011	52,068	24	38
West-----	349	306	344,620	348,890	987	1,142	28,233	36,781	81	120
New England-----	56	42	9,315	7,744	164	185	1,414	1,459	25	35
Maine-----	17	13	3,082	2,590	178	201	256	257	15	20
New Hampshire-----	7	5	1,124	903	172	194	118	118	18	25
Vermont-----	12	9	2,945	2,624	243	273	240	275	20	30
Massachusetts-----	11	8	1,142	902	102	113	354	349	32	43
Rhode Island-----	1	1	138	104	99	94	52	51	38	46
Connecticut-----	8	6	884	721	107	119	393	409	47	67
Middle Atlantic-----	197	161	26,731	24,235	135	151	4,879	5,442	25	31
New York-----	82	67	13,490	12,275	164	185	1,971	2,181	24	33
New Jersey-----	15	11	1,379	1,156	89	109	717	782	46	73
Pennsylvania-----	100	83	11,862	10,804	119	130	2,190	2,479	22	30
East North Central-----	666	574	103,386	99,487	155	173	24,737	27,909	37	49
Ohio-----	140	120	18,507	17,619	132	146	4,573	5,221	33	43
Indiana-----	128	108	18,613	17,838	145	168	4,933	5,682	38	52
Illinois-----	155	133	30,327	29,658	196	228	9,580	10,744	62	81
Michigan-----	112	94	14,783	13,599	132	145	2,855	3,182	26	34
Wisconsin-----	131	119	21,166	20,378	161	172	2,796	3,180	21	27
West North Central-----	795	703	282,008	283,603	355	403	30,732	36,272	39	52
Minnesota-----	146	131	30,796	30,805	211	235	4,749	5,125	33	39
Iowa-----	175	164	33,831	33,758	194	219	5,587	9,181	49	60
Missouri-----	169	147	33,155	32,692	197	222	3,727	4,928	22	33
North Dakota-----	55	49	41,466	42,717	755	875	2,141	2,854	39	58
South Dakota-----	55	50	44,851	45,567	805	917	2,277	2,814	41	57
Nebraska-----	90	80	47,756	47,793	528	596	4,234	5,232	47	65
Kansas-----	104	92	50,153	50,271	481	544	5,017	6,138	48	66
South Atlantic-----	592	468	83,341	76,960	141	164	12,832	16,156	22	35
Delaware-----	5	4	763	717	146	163	180	235	35	53
Maryland-----	25	21	3,457	3,181	138	153	982	1,349	39	65
Virginia-----	98	80	13,126	12,002	135	149	1,819	2,215	19	28
West Virginia-----	44	35	6,063	5,279	138	153	450	478	10	14
North Carolina-----	191	148	15,888	14,382	83	97	2,949	3,622	15	24
South Carolina-----	78	56	9,149	8,101	117	144	1,226	1,403	16	25
Georgia-----	106	83	19,658	17,887	185	215	1,908	2,431	18	29
Florida-----	45	41	15,237	15,411	338	380	3,317	4,423	74	109
East South Central-----	563	468	68,285	64,509	121	138	7,855	10,252	14	22
Kentucky-----	151	133	17,031	16,265	113	122	2,305	2,958	15	22
Tennessee-----	158	133	16,081	15,286	102	114	2,095	2,737	13	21
Alabama-----	116	93	16,543	15,226	143	165	1,480	1,902	13	21
Mississippi-----	138	109	18,630	17,752	135	163	1,874	2,655	14	24
West South Central-----	491	436	205,825	204,759	419	469	18,324	25,659	37	60
Arkansas-----	95	80	16,459	16,565	173	207	1,797	2,935	19	37
Louisiana-----	74	62	10,347	10,411	139	167	1,766	2,413	24	39
Oklahoma-----	95	89	35,801	36,077	378	407	3,002	4,366	32	49
Texas-----	227	205	143,218	141,706	631	691	11,759	15,945	52	78
Mountain-----	149	134	264,428	268,004	1,774	1,998	10,878	13,650	73	102
Montana-----	29	27	64,081	65,834	2,213	2,437	2,223	2,791	77	103
Idaho-----	34	30	15,232	15,302	452	516	1,701	2,022	51	68
Wyoming-----	10	9	36,200	37,053	3,715	4,100	1,774	1,043	79	115
Colorado-----	33	30	38,787	38,259	1,162	1,284	2,053	2,687	61	90
New Mexico-----	16	14	46,293	47,647	2,908	3,354	1,086	1,663	68	117
Arizona-----	7	6	40,203	40,559	5,658	6,262	1,951	2,141	270	331
Utah-----	18	16	12,689	12,867	712	817	755	910	42	58
Nevada-----	2	2	10,943	10,483	4,649	4,862	334	393	142	182
Pacific-----	200	172	80,190	80,886	401	472	17,355	23,131	(NA)	135
Washington-----	52	46	18,717	19,053	363	413	2,455	2,931	48	64
Oregon-----	43	40	21,236	20,509	499	516	1,857	2,349	44	59
California-----	99	81	36,888	37,011	372	458	13,026	17,352	131	215
Alaska-----	(Z)	(Z)	888	1,959	2,421	5,129	18	18	48	47
Hawaii-----	6	5	2,461	2,354	394	484	(NA)	481	(NA)	99

NA Not available. Z Less than 500.

¹ Based on reports for a sample of farms; for 1959, excludes Hawaii.

Source: Dept. of Commerce, Bureau of the Census; U.S. Census of Agriculture: 1964, Vol. II.

No. 898. FARMS—NUMBER, BY ECONOMIC CLASS, BY STATES: 1964

[Based on reports for a sample of farms. For composition of regions, see fig. I, p. xii. Totals for commercial farms and for other farms are given in table 900. For definition of commercial farm, see text, p. 588]

STATE	All farms	COMMERCIAL FARMS BY VALUE OF FARM PRODUCTS SOLD						OTHER FARMS		
		\$50- \$2,499	\$2,500- \$4,999	\$5,000- \$9,999	\$10,000- \$19,999	\$20,000- \$39,999	\$40,000 and over	Part- time	Part- retire- ment	Abnor- mal
U.S.....	3,157,857	348,272	443,918	504,614	467,096	259,898	141,914	639,409	350,558	2,178
North.....	1,479,581	89,490	211,755	300,036	311,318	161,613	62,875	218,800	122,927	767
South.....	1,372,732	235,424	197,047	163,410	112,545	65,536	45,886	350,400	201,886	598
West.....	305,644	23,358	35,116	41,168	43,233	32,749	33,153	70,209	25,745	813
N.E.....	41,957	2,801	3,799	5,249	6,747	5,412	4,271	8,885	4,677	116
Maine.....	12,875	1,022	966	1,040	1,366	1,464	2,052	3,245	1,699	21
N. H.....	4,648	353	458	550	618	432	245	1,338	637	17
Vt.....	9,247	452	896	1,666	2,385	1,410	359	1,383	683	13
Mass.....	8,019	496	853	1,166	1,339	1,035	760	1,484	845	41
R. I.....	1,100	85	111	134	155	162	101	243	102	7
Conn.....	6,068	393	515	693	884	909	754	1,192	711	17
M.A.....	160,237	11,081	18,545	24,714	30,520	17,522	7,273	34,725	15,688	169
N. Y.....	66,510	3,568	7,424	11,147	14,544	8,375	3,318	12,415	5,665	54
N. J.....	10,641	712	1,164	1,399	1,897	1,857	1,288	1,422	878	24
Pa.....	83,086	6,801	9,957	12,168	14,079	7,290	2,667	20,888	9,145	91
E.N.C.....	573,605	32,409	36,086	109,267	111,163	60,719	21,258	102,316	50,139	248
Ohio.....	120,381	9,016	18,902	20,302	18,043	9,040	3,113	28,378	13,511	76
Ind.....	108,082	6,047	16,882	18,495	18,453	11,402	3,973	22,178	10,606	46
Ill.....	132,822	5,414	14,421	23,010	32,876	25,449	9,966	13,320	8,323	43
Mich.....	93,504	6,231	15,848	15,298	13,374	7,023	2,413	23,653	9,603	31
Wis.....	118,816	5,701	20,033	32,162	28,417	7,805	1,793	14,757	8,096	52
W.N.C.....	703,782	43,199	103,325	160,806	162,888	77,960	30,073	72,874	52,423	234
Minn.....	131,163	8,665	20,968	33,872	31,410	11,384	3,438	13,378	8,021	27
Iowa.....	154,162	4,091	15,390	31,546	46,287	29,073	11,150	9,345	7,215	65
Mo.....	147,315	17,257	24,888	23,778	17,849	7,888	3,425	31,565	20,633	32
N. Dak.....	48,836	2,520	7,558	15,388	13,944	4,777	1,265	1,886	1,473	25
S. Dak.....	49,703	2,374	7,577	14,671	13,638	5,181	1,839	1,940	2,434	49
Nebr.....	80,163	3,229	11,322	20,130	20,993	10,766	4,904	4,076	4,724	19
Kans.....	92,440	5,063	15,622	21,421	18,767	8,891	4,052	10,684	7,923	17
S.A.....	468,377	70,445	65,222	66,287	46,860	25,230	16,567	111,362	66,130	274
Del.....	4,401	305	477	537	719	701	713	588	357	4
Md.....	20,760	1,644	2,843	2,996	3,100	2,374	1,510	4,186	2,086	21
Va.....	80,354	13,578	12,462	9,882	5,536	2,976	1,784	20,089	13,988	59
W. Va.....	34,504	7,154	2,494	1,602	973	466	289	13,664	7,837	25
N. C.....	145,202	20,449	23,901	28,870	19,705	7,611	3,081	26,816	17,720	40
S. C.....	56,248	10,336	8,659	7,597	3,815	1,990	1,486	14,681	7,657	27
Ga.....	83,366	11,412	10,057	10,752	9,712	6,654	4,107	19,950	10,663	59
Fla.....	40,542	5,567	4,329	4,051	3,300	2,468	3,597	11,388	5,813	39
E.S.C.....	468,155	101,684	77,480	49,919	25,848	12,742	8,372	118,456	73,509	145
Ky.....	133,038	27,212	26,342	19,496	9,135	2,840	993	26,750	20,228	42
Tenn.....	133,446	28,509	23,365	13,804	6,552	2,835	1,287	35,673	21,379	42
Ala.....	92,530	20,231	11,437	8,151	5,675	4,020	2,398	26,929	13,659	30
Miss.....	109,141	25,732	16,336	8,468	4,486	3,047	3,694	29,104	18,243	31
W.S.C.....	436,200	63,295	54,345	47,204	39,837	27,564	20,947	120,582	62,247	179
Ark.....	17,898	14,170	8,740	6,598	6,200	5,338	5,301	22,183	11,341	27
La.....	62,466	13,156	6,168	4,403	3,845	2,976	2,266	20,181	9,439	32
Okla.....	88,726	11,611	13,263	12,822	9,664	4,514	1,684	24,681	10,450	37
Tex.....	205,110	24,358	26,174	23,381	20,128	14,736	11,696	53,637	31,017	83
Mt.....	134,115	9,985	17,931	22,673	23,550	15,457	10,958	23,408	9,538	615
Mont.....	27,020	1,549	3,522	5,518	1,569	3,860	1,569	2,940	1,397	90
Idaho.....	29,661	1,628	4,080	5,404	5,686	3,514	2,110	5,174	1,964	101
Wyo.....	9,038	554	1,259	1,797	1,830	1,245	795	1,005	522	31
Colo.....	29,798	2,638	4,139	5,047	5,052	3,557	2,720	4,691	1,915	39
N. Mex.....	14,206	1,887	1,623	1,633	1,600	1,264	1,167	3,327	1,644	61
Ariz.....	6,477	544	537	585	627	643	1,636	1,343	432	90
Utah.....	15,769	992	2,504	2,386	1,902	1,111	657	4,532	1,495	180
Nev.....	2,156	193	267	303	278	263	304	396	129	23
Pac.....	171,429	13,373	17,185	18,495	19,683	17,292	22,195	46,801	16,207	198
Wash.....	45,574	3,464	4,252	4,532	5,715	4,969	3,463	14,617	4,537	25
Oreg.....	39,757	3,520	4,386	4,180	4,047	3,071	2,301	13,649	4,506	37
Calif.....	80,852	5,751	7,821	9,165	9,471	8,961	16,120	16,636	6,615	112
Alaska.....	382	68	40	24	30	28	33	149	17	3
Hawaii.....	4,864	580	686	594	420	263	278	1,550	472	21

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1964*, Vol. II.

Farm Products

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No. 899. VALUE OF FARM PRODUCTS SOLD—TOTAL AND PERCENT DISTRIBUTION, BY ECONOMIC CLASS OF FARM, BY STATES: 1959 AND 1964

[For composition of regions, see fig. I, p. xii]

STATE	VALUE OF FARM PRODUCTS SOLD (mil. dol.)		VALUE OF FARM PRODUCTS SOLD PER FARM (percent distribution)													
			\$50-\$2,499		\$2,500-\$4,999		\$5,000-\$9,999		\$10,000-\$19,999		\$20,000-\$39,999		\$40,000 and over			
	1959	1964	1959	1964	1959	1964	1959	1964	1959	1964	1959	1964	1959	1964	1959	1964
U.S.	30,493	35,294	5.3	3.6	7.4	4.6	15.4	10.3	21.9	18.7	18.4	20.2	31.5	42.6		
North.	15,294	17,414	3.9	2.7	7.4	4.5	19.5	12.6	28.8	25.4	20.7	25.1	19.9	29.7		
South.	8,884	10,586	9.9	6.3	11.0	6.7	14.9	10.9	16.9	14.9	16.2	17.2	31.0	44.0		
West.	6,315	7,293	2.3	1.9	2.5	1.7	6.3	4.1	12.3	8.5	16.2	12.6	60.3	71.2		
N.E.	592	717	3.6	2.7	4.1	1.9	10.7	5.4	22.2	13.6	26.0	21.0	33.3	55.4		
Maine	171	250	3.7	1.9	3.8	1.3	9.0	3.0	20.1	7.8	27.7	16.6	35.6	69.4		
N.H.	48	49	5.8	4.5	5.8	3.4	13.0	8.1	24.8	18.2	23.6	24.4	27.0	41.4		
Vt.	109	115	3.0	2.2	5.9	2.8	19.7	10.9	34.6	30.0	23.6	32.9	13.2	21.2		
Mass.	126	139	3.8	3.9	4.2	2.2	8.8	6.0	19.5	13.7	27.1	20.5	36.6	53.7		
R.I.	18	19	2.7	4.8	3.1	2.1	7.7	5.3	19.0	12.2	31.9	24.1	35.6	51.5		
Conn.	120	139	3.2	2.6	2.3	1.3	6.7	3.6	16.6	9.2	24.6	18.2	46.6	65.2		
M.A.	1,699	1,859	4.5	3.6	5.8	3.6	16.0	9.8	28.6	23.6	22.8	25.4	22.4	34.0		
N.Y.	765	853	3.8	2.6	5.6	3.2	16.7	9.6	30.4	24.6	22.8	26.6	20.7	33.4		
N.J.	231	216	2.4	2.4	2.7	1.9	7.0	4.7	20.8	12.7	28.9	23.8	38.3	54.5		
Pa.	713	791	6.0	4.9	7.0	4.6	18.1	11.3	29.2	25.5	20.9	24.6	18.8	29.1		
E.N.C.	5,204	6,106	5.0	3.3	8.6	5.2	29.9	13.0	30.3	25.9	19.8	27.0	15.4	25.7		
Ohio	863	1,013	7.6	5.1	10.8	6.8	21.9	14.5	27.7	25.2	17.1	24.1	14.9	24.3		
Ind.	946	1,105	5.9	3.8	8.9	5.5	19.2	12.1	30.2	23.9	21.6	28.2	14.2	26.4		
Ill.	1,811	2,123	2.4	1.6	4.5	2.5	14.4	8.0	30.9	22.5	26.1	33.0	21.6	32.5		
Mich.	623	716	9.2	5.4	12.8	7.5	22.4	14.3	28.0	24.7	15.7	24.8	11.9	23.3		
Wis.	961	1,099	4.0	3.0	11.3	6.8	32.9	21.5	33.1	35.8	11.1	18.4	7.6	14.5		
W.N.C.	7,800	8,734	2.9	2.2	7.1	4.4	20.0	13.5	28.3	26.3	20.4	24.1	21.2	29.4		
Minn.	1,212	1,376	3.5	2.6	8.9	5.7	28.9	18.1	31.6	31.8	16.0	22.0	13.1	19.8		
Iowa	2,284	2,507	1.4	1.0	4.0	2.2	15.7	9.1	29.7	25.7	25.5	30.5	23.7	31.5		
Mo.	1,012	1,073	7.9	6.2	12.6	8.5	21.5	16.2	24.8	23.7	16.5	20.4	16.6	25.0		
N. Dak.	469	570	2.6	1.4	10.1	5.0	28.7	19.9	31.3	34.0	16.1	22.1	11.2	17.6		
S. Dak.	514	620	2.9	2.0	9.3	4.5	25.6	17.3	27.9	30.1	18.0	22.1	16.3	24.0		
Nebr.	1,198	1,374	1.4	1.2	5.0	3.2	16.6	11.1	26.8	22.2	20.4	21.9	29.8	40.4		
Kans.	1,111	1,175	2.8	2.4	6.6	4.9	17.6	13.2	25.7	22.4	20.9	20.6	26.5	36.5		
S.A.	3,247	4,143	9.3	4.9	11.6	5.7	17.0	11.4	17.3	15.8	14.9	16.8	30.0	45.3		
Del.	86	108	2.1	1.3	2.4	1.6	7.9	3.7	10.9	9.6	25.7	18.5	45.0	65.3		
Md.	231	276	4.7	3.2	5.7	3.7	12.9	7.8	24.5	16.2	25.4	23.9	26.9	45.2		
Va.	424	470	13.2	8.8	15.3	9.6	15.3	14.7	17.6	10.3	17.5	17.5	22.9	33.1		
W. Va.	99	92	21.2	19.1	12.5	9.4	13.9	12.2	17.9	14.7	13.0	13.6	21.5	31.0		
N.C.	797	1,068	11.6	5.3	19.9	8.2	28.9	19.5	20.1	25.4	10.3	19.3	9.2	22.3		
S.C.	303	349	14.4	7.7	15.4	9.0	20.6	15.2	16.7	15.2	14.1	15.9	18.0	37.0		
Ga.	607	825	8.9	4.1	10.7	4.4	17.6	9.4	21.6	10.8	19.1	22.4	22.1	42.9		
Fla.	700	954	3.1	1.8	3.1	1.6	5.4	3.0	8.0	4.9	10.9	7.2	69.5	81.5		
E.S.C.	1,973	2,382	17.6	11.2	17.3	11.5	17.5	14.6	15.7	15.0	11.9	14.8	19.9	32.9		
Ky.	518	592	16.9	12.7	20.3	16.0	23.6	22.9	20.0	21.0	11.1	12.9	8.1	14.5		
Tenn.	475	529	21.6	15.7	22.1	15.6	20.9	18.1	16.0	17.0	9.5	14.6	9.9	19.1		
Ala.	414	537	16.9	9.0	13.5	7.5	15.0	10.8	16.2	15.1	17.3	20.8	21.2	36.8		
Miss.	566	724	15.6	8.4	13.4	7.9	10.9	8.1	11.0	8.7	10.8	11.9	38.4	55.0		
W.S.C.	3,664	4,063	6.3	5.0	7.2	4.8	11.6	8.3	17.2	14.0	19.7	19.0	37.9	49.1		
Ark.	639	830	7.6	4.3	7.9	3.8	10.9	5.7	16.1	10.7	18.6	18.1	38.9	57.4		
La.	335	407	12.5	7.2	9.6	5.3	11.4	7.7	15.9	13.6	17.6	20.5	32.9	67.7		
Okla.	581	601	7.6	6.8	10.5	8.0	19.6	15.3	25.1	22.5	18.4	20.3	18.7	27.1		
Tex.	2,109	2,225	4.0	4.3	5.7	4.2	9.7	7.5	15.6	12.9	20.7	18.7	43.7	52.4		
Mt.	2,354	2,638	2.7	2.7	3.3	2.6	8.9	6.5	17.3	13.2	19.6	16.9	48.2	58.1		
Mont.	377	390	2.4	2.3	4.0	3.3	12.8	10.4	24.2	24.0	27.5	21.9	29.1	33.0		
Idaho	438	478	2.5	2.0	4.4	3.1	12.7	8.3	24.1	16.9	23.3	20.2	32.9	49.5		
Wyo.	162	151	2.0	1.9	3.3	3.1	9.2	8.8	19.4	17.1	22.0	22.8	44.2	46.3		
Colo.	580	612	1.7	1.6	3.0	2.5	5.1	6.0	17.2	11.8	19.4	16.1	50.6	62.0		
N. Mex.	197	227	4.0	4.1	3.5	2.6	6.6	5.2	13.4	10.1	20.1	15.9	52.4	69.2		
Ariz.	388	469	3.6	3.6	0.6	0.4	1.3	0.9	3.3	1.9	6.9	4.0	84.3	89.2		
Utah	156	159	5.3	6.0	6.8	5.7	14.4	10.7	21.7	16.8	19.8	19.4	32.0	41.4		
Nev.	57	51	2.5	3.2	1.7	1.8	4.3	4.2	7.2	7.6	15.0	14.6	69.3	68.6		
Pac.	3,958	4,756	2.1	1.5	2.1	1.3	4.8	2.8	9.4	5.9	14.2	10.2	67.4	78.3		
Wash.	569	637	4.0	3.2	3.6	2.4	8.5	5.2	17.8	13.0	23.6	21.9	42.5	54.3		
Oreg.	412	428	4.8	4.0	4.8	3.7	9.7	7.0	17.2	13.5	21.3	20.0	42.3	51.8		
Calif.	2,822	3,499	1.3	0.9	1.4	0.8	3.5	1.9	6.8	3.9	11.8	7.3	75.2	85.2		
Alaska	3	4	6.0	5.9	3.1	3.6	7.1	4.7	19.2	11.8	30.4	21.2	34.2	62.8		
Hawaii	152	188	2.2	1.4	2.1	1.3	3.3	2.3	4.3	3.1	3.6	3.8	84.4	88.1		

No. 900. FARMS—NUMBER, BY TYPE, BY STATES: 1964

[Based on reports for a sample of farms. In general, a farm was classified as a particular type if its sales of a particular product or group of products amounted to 50 percent or more of total value of farm products sold. For definition of commercial farm, see text, p. 588. For composition of regions, see fig. 1, p. xii]

STATE	All farms	COMMERCIAL FARMS										Other farms ¹
		Total ¹	Cash grain	Cotton	Other field crop	Vegetable	Fruit and nut	Dairy	Poultry	Livestock ²	General	
U.S.	3,157,857	2,165,712	404,253	164,076	35,130	23,207	57,256	366,967	82,120	580,811	201,980	992,145
Percent.	100.0	68.6	12.8	5.2	1.1	0.7	1.8	11.6	2.6	18.4	6.4	31.4
North.	1,479,581	1,137,087	309,860	3,484	7,996	9,005	12,236	286,765	28,884	348,876	98,840	342,494
South.	1,372,732	819,849	66,438	154,336	18,184	9,137	12,595	57,982	46,998	168,018	78,779	552,884
West.	305,544	208,776	27,955	6,256	8,950	5,065	32,425	22,220	6,238	63,917	24,361	96,767
N.E.	41,957	28,279	60	(X)	2,146	844	1,345	13,029	4,161	1,534	1,564	13,678
Maine	12,875	7,910	53	(X)	1,908	98	418	2,039	1,656	425	455	4,965
N.H.	4,648	2,656	1	(X)	24	59	120	1,300	433	185	203	1,992
Vt.	9,247	7,168	1	(X)	22	34	61	5,848	152	276	413	2,079
Mass.	8,019	5,649	1	(X)	98	414	562	1,994	871	337	279	2,370
R.I.	1,100	748	-	(X)	43	57	28	243	126	53	33	352
Conn.	6,068	4,148	4	(X)	51	182	156	1,605	923	258	181	1,920
M.A.	160,237	109,655	5,343	(X)	1,480	3,485	4,311	59,666	8,218	9,910	9,079	50,582
N.Y.	66,510	48,376	1,569	(X)	718	1,430	2,639	31,195	1,993	2,565	3,472	18,134
N.J.	10,641	8,317	421	(X)	252	1,469	610	1,908	1,671	419	416	2,324
Pa.	88,086	52,962	3,353	(X)	510	586	1,092	26,563	4,654	6,928	5,191	30,124
E.N.C.	573,605	420,902	131,424	14	1,855	4,022	6,091	129,832	9,521	93,281	31,775	152,703
Ohio	120,381	78,416	23,105	(X)	227	822	865	17,823	2,780	19,966	8,436	41,965
Ind.	108,082	75,252	29,975	(X)	102	409	267	8,964	2,801	24,075	6,393	32,830
Ill.	132,822	111,136	60,449	14	28	419	280	9,025	1,008	31,971	6,361	21,686
Mich.	93,504	60,187	15,418	(X)	1,027	1,335	4,181	20,230	1,734	8,725	5,287	33,317
Wis.	118,816	95,911	2,477	(X)	471	1,037	498	73,790	1,218	8,544	5,298	22,905
W.N.C.	703,782	578,251	173,033	3,470	2,515	654	489	84,238	6,984	244,151	56,422	125,531
Minn.	131,163	109,737	25,556	(X)	1,153	274	100	42,474	1,974	23,358	13,278	21,426
Iowa	154,162	137,537	36,871	(X)	33	115	62	12,961	1,529	72,602	12,852	16,625
Mo.	147,315	95,085	19,229	3,470	41	143	247	14,495	1,870	45,948	7,065	52,230
N. Dak.	48,836	45,452	23,621	(X)	726	3	3	2,418	212	8,914	4,350	3,384
S. Dak.	49,703	45,280	7,999	(X)	56	14	6	3,759	470	27,857	4,857	4,423
Nebr.	80,163	71,344	23,004	(X)	436	30	11	3,298	413	37,249	6,524	8,819
Kans.	92,440	73,816	31,853	(X)	70	75	60	4,837	516	28,223	7,437	18,624
S.A.	468,377	290,611	16,669	18,804	8,230	4,440	9,645	18,619	24,250	36,667	30,030	177,766
Del.	4,401	3,452	946	(X)	48	102	21	454	1,494	111	176	940
Md.	20,760	14,467	2,055	(X)	46	352	129	3,923	1,846	1,599	1,068	6,293
Va.	80,354	46,218	2,817	73	2,233	418	719	5,459	2,198	9,468	3,834	34,136
W. Va.	34,504	12,978	253	(X)	43	66	452	1,950	1,102	5,879	902	21,526
N.C.	148,202	103,617	5,308	3,108	1,858	814	514	3,606	5,685	5,725	7,965	44,585
S.C.	56,248	33,883	2,417	8,485	99	565	198	997	1,052	2,676	3,689	22,365
Ge.	83,366	52,694	2,129	6,955	3,031	556	237	1,652	9,859	7,377	10,982	30,672
Fla.	40,542	23,302	744	183	872	1,567	7,375	578	1,014	3,832	1,414	17,240
E.S.C.	468,155	276,045	12,785	73,835	2,807	1,506	969	25,619	11,288	47,402	27,198	192,110
Ky.	133,038	86,018	3,944	48	126	130	260	10,011	836	15,268	10,120	47,020
Tenn.	133,446	76,352	3,451	16,072	197	501	208	10,133	1,707	14,982	8,611	57,094
Ala.	92,530	51,912	3,022	22,142	2,190	573	135	1,414	5,884	7,898	5,404	40,818
Miss.	109,141	61,793	2,968	35,573	294	302	376	4,061	2,861	9,254	3,063	47,378
W.S.C.	436,200	253,193	36,984	61,697	7,147	3,191	1,981	13,744	11,460	83,949	21,551	183,008
Ark.	79,898	46,347	6,783	14,385	102	735	475	3,064	5,506	10,742	2,016	33,551
La.	62,466	32,814	4,236	11,066	2,776	486	735	2,403	920	5,910	1,554	29,652
Okla.	88,726	53,558	13,059	2,898	1,746	172	205	3,410	823	22,397	6,934	35,168
Tex.	205,110	120,474	12,906	33,348	2,523	1,798	566	4,867	4,211	44,900	11,047	84,837
Mt.	134,115	100,554	18,177	2,997	5,799	773	1,678	9,723	1,304	43,029	13,938	33,561
Mont.	27,020	22,593	8,500	(X)	684	16	73	712	142	10,440	1,542	4,427
Idaho.	29,661	22,422	3,891	(X)	3,110	90	220	4,535	191	5,621	4,349	7,239
Wyo.	9,038	7,480	685	(X)	1,370	5	2	395	40	5,029	781	1,558
Colo.	28,798	23,133	3,827	(X)	1,149	300	479	1,386	285	11,057	3,870	6,645
N.Mex.	14,206	9,174	441	1,716	163	83	220	296	94	4,719	1,038	5,032
Ariz.	6,477	4,572	193	1,264	19	164	363	233	135	1,460	449	1,905
Utah.	15,769	9,552	514	(X)	294	97	319	2,038	410	3,873	1,493	6,207
Nev.	2,156	1,608	26	17	10	18	2	128	7	930	416	548
Pac.	171,429	108,222	9,778	3,259	3,151	4,292	30,747	12,497	4,934	20,888	10,423	63,206
Wash.	45,574	26,395	5,064	(X)	918	751	4,679	4,060	893	5,246	2,871	19,179
Oreg.	39,757	21,505	1,974	(X)	708	797	2,920	2,666	773	6,309	3,423	18,252
Calif.	80,852	57,288	2,731	3,259	852	2,324	22,459	5,643	3,104	8,733	4,079	23,563
Alaska.	382	213	8	(X)	26	5	-	62	16	45	32	169
Hawaii.	4,864	2,821	1	(X)	647	415	689	66	148	555	18	2,043

- Represents zero. X Not applicable.

¹ Includes 249,912 tobacco farms and other miscellaneous commercial farms not shown separately.

² Excludes dairy and poultry farms; includes ranches.

³ Part-time, part-retirement, and abnormal farms. For definition, see source.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1964*, Vol. II.

No. 901. VALUE OF ALL FARM PRODUCTS SOLD, BY SOURCE OF INCOME, 1959 AND 1964, AND BY STATES, 1964

[In millions of dollars. For 1959, dairy products and livestock sold alive based on a sample of farms for all States except Alaska and Hawaii]

YEAR AND STATE	All farm products sold ¹	Field crops ²	Vegetables	Fruits and nuts	Horticultural specialties ³	Dairy products	Poultry and poultry products	Livestock and livestock products ⁴
1959.....	30,493	10,493	740	1,398	803	4,022	2,258	10,780
1964								
United States.....	35,294	12,870	987	1,674	880	4,637	3,063	11,141
New England.....	716	186	15	28	55	232	162	37
Maine.....	256	127	3	6	8	32	73	6
New Hampshire.....	49	2	1	3	4	21	15	4
Vermont.....	115	6	(Z)	2	5	87	5	10
Massachusetts.....	139	16	7	13	20	47	26	10
Rhode Island.....	19	3	1	(Z)	3	6	4	1
Connecticut.....	139	32	3	4	15	40	39	6
Middle Atlantic.....	1,859	218	94	106	148	819	257	206
New York.....	853	97	44	57	50	442	82	73
New Jersey.....	216	21	37	22	28	49	44	14
Pennsylvania.....	791	100	14	27	70	328	131	118
East North Central.....	6,106	2,236	101	104	157	1,245	329	1,929
Ohio.....	1,013	336	23	13	55	192	85	306
Indiana.....	1,105	458	10	6	20	107	102	402
Illinois.....	2,123	1,075	17	6	30	133	43	818
Michigan.....	766	238	26	69	31	208	46	146
Wisconsin.....	1,099	128	25	9	20	604	53	258
West North Central.....	8,733	2,877	18	8	46	775	344	4,661
Minnesota.....	1,376	447	10	1	12	311	106	487
Iowa.....	2,597	720	3	1	11	179	97	1,585
Missouri.....	1,053	384	3	4	13	102	64	481
North Dakota.....	570	373	(Z)	(Z)	1	32	8	156
South Dakota.....	629	144	(Z)	(Z)	1	41	24	418
Nebraska.....	1,334	368	(Z)	(Z)	3	49	25	889
Kansas.....	1,175	440	1	1	6	62	18	646
South Atlantic.....	4,142	1,651	204	459	171	396	797	460
Delaware.....	108	18	5	1	3	7	70	3
Maryland.....	276	67	11	5	11	72	81	30
Virginia.....	470	181	11	18	20	76	70	94
West Virginia.....	92	7	1	11	5	18	23	29
North Carolina.....	1,068	723	10	7	23	61	171	73
South Carolina.....	349	226	12	7	11	26	37	30
Georgia.....	826	316	9	9	32	50	289	118
Florida.....	954	114	146	402	67	86	56	83
East South Central.....	2,382	1,231	16	12	55	238	358	469
Kentucky.....	592	300	2	2	8	78	20	181
Tennessee.....	529	257	7	3	16	76	42	128
Alabama.....	537	214	5	2	22	38	170	85
Mississippi.....	724	460	2	5	10	46	126	75
West South Central.....	4,063	2,162	52	24	41	249	399	1,130
Arkansas.....	830	530	4	6	6	26	195	62
Louisiana.....	407	267	3	5	7	47	30	46
Oklahoma.....	601	244	2	3	7	47	22	275
Texas.....	2,225	1,122	42	10	20	128	151	746
Mountain.....	2,537	900	83	40	29	169	55	1,253
Montana.....	390	170	(Z)	(Z)	2	12	3	201
Idaho.....	478	254	5	6	2	44	8	159
Wyoming.....	151	30	(Z)	(Z)	(Z)	6	1	113
Colorado.....	612	154	12	5	11	34	13	381
New Mexico.....	227	82	3	4	1	14	4	118
Arizona.....	469	175	59	22	9	25	7	169
Utah.....	159	27	2	3	2	27	19	78
Nevada.....	51	9	1	(Z)	(Z)	6	(Z)	35
Pacific.....	4,756	1,409	405	893	178	509	362	995
Washington.....	637	241	23	97	21	76	37	142
Oregon.....	428	135	29	46	22	42	28	126
California.....	3,499	894	348	744	132	377	288	712
Alaska.....	4	1	(Z)	(Z)	(Z)	2	(Z)	(Z)
Hawaii.....	188	139	5	6	3	12	10	14

Z Less than \$500,000.

¹ 1964 includes recreation income from hunting, fishing, and other recreational services not shown separately.

² Other than vegetables and fruits and nuts. ³ Includes forest products. ⁴ Other than dairy and poultry.

Source: Dept. of Commerce, Bureau of the Census; U.S. Census of Agriculture: 1964, Vol. II.

No. 902. FARMS—NUMBER, ACREAGE, AND VALUE, BY TENURE OF OPERATOR: 1940 TO 1964

[Number of farms in thousands; land in farms in millions of acres, except as indicated. Nonwhite breakdown for "all farms" for 1954 and 1959, and average value of farms, 1950 through 1964, based on sample. See also *Historical Statistics, Colonial Times to 1957*, series K 8-52]

ITEM	All farms	Full owner	Part owner	Manager	TENANT	
					Total	Percent of all farms
NUMBER OF FARMS						
United States: 1940.....	6,102	3,085	616	37	2,365	38.8
1950.....	5,388	3,092	826	24	1,447	26.9
1954 ¹	4,782	2,737	857	21	1,168	24.4
1959.....	3,711	2,119	811	21	760	20.5
1964.....	3,158	1,818	782	18	540	17.1
The South: 1940.....	3,007	1,328	217	14	1,449	48.2
1950.....	2,652	1,411	326	10	905	34.1
1954.....	2,317	1,266	345	9	696	30.0
1959.....	1,646	942	314	9	381	23.1
1964.....	1,373	809	304	7	254	18.5
Nonwhite: 1940.....	680	142	31	(Z)	507	74.6
1950.....	559	141	52	(Z)	366	65.5
1954.....	465	130	51	(Z)	283	60.9
1959.....	266	90	38	(Z)	138	51.9
1964.....	185	71	31	(Z)	82	44.3
LAND IN FARMS						
United States: 1940.....	1,065	382	301	69	313	29.4
1950.....	1,161	419	423	107	212	18.3
1954 ¹	1,158	396	470	100	193	16.7
1959.....	1,124	349	498	110	167	14.9
1964.....	1,110	319	533	113	145	13.1
AVERAGE VALUE OF FARMS (land and buildings)						
United States: 1940.....	\$5,532	\$4,959	\$9,936	\$42,208	\$4,566	(X)
1950.....	13,632	10,719	25,137	153,043	12,926	(X)
1954 ¹	19,761	14,511	35,764	165,800	19,464	(X)
1959 ²	33,175	22,478	56,660	244,714	36,159	(X)
1964.....	50,646	(NA)	(NA)	(NA)	(NA)	(X)

NA Not available. X Not applicable. Z Less than 500.

¹ Excludes Alaska and Hawaii. ² Excludes Hawaii.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1959*, Vol. II, and *1964*, Vol. II.

No. 903. FARMER COOPERATIVES—NUMBER, MEMBERSHIPS, AND BUSINESS: 1940 TO 1967

[For years ending June 30, with limited exceptions. Prior to 1955, excludes Alaska and Hawaii. Comprises independent local associations, federations, large-scale centralized associations, and sales agencies. Data are for marketing season during which farm products are moved into channels of trade. Marketing seasons overlap. See also *Historical Statistics, Colonial Times to 1957*, series K 181-189]

YEAR	COOPERATIVES LISTED			ESTIMATED MEMBER-SHIPS ² (1,000)			ESTIMATED BUSINESS ³ (mil. dol.)		
	Total	Marketing ¹	Farm supply	Total	Marketing ¹	Farm supply	Total	Marketing ¹	Farm supply
1940.....	10,700	8,051	2,649	3,200	2,300	900	2,087	1,729	358
1945.....	10,150	7,400	2,750	4,505	2,895	1,610	5,645	4,835	810
1950.....	10,035	6,922	3,113	6,584	4,075	2,509	8,726	7,083	1,643
1955.....	9,903	6,557	3,346	7,604	4,281	3,323	9,642	7,620	2,022
1960.....	9,345	6,048	3,297	7,273	3,673	3,600	12,036	9,628	2,408
1963.....	8,907	5,696	3,211	7,219	3,623	3,596	13,842	11,138	2,704
1964.....	8,847	5,621	3,226	7,080	3,655	3,425	14,354	11,622	2,832
1965.....	8,583	5,498	3,085	7,082	3,831	3,251	14,742	11,832	2,910
1966.....	8,329	5,380	2,949	6,826	3,672	3,154	15,608	12,623	3,085
1967 (prel.).....	8,125	5,264	2,871	6,502	3,333	3,169	16,557	13,218	3,339

¹ Includes service associations. ² Excludes nonvoting patrons.

³ Value of commodities sold or purchased for patrons and charges for rendering other services in marketing or purchasing. Beginning 1955, adjusted for duplication resulting from intercooperative business.

Source: Dept. of Agriculture, Farmer Cooperative Service; annual report, *Statistics of Farmer Cooperatives*.

NO. 904. LAND UTILIZATION, FARM AND NONFARM: 1930 TO 1964

[In millions of acres. Prior to 1950, excludes Alaska and Hawaii]

MAJOR USE	1930		1940		1950		1959		1964	
	Land	Per cent	Land	Per cent	Land	Per cent	Land	Per cent	Land	Per cent
Total land area.....	1,903	100.0	1,905	100.0	2,273	100.0	2,271	100.0	2,266	100.0
In farms.....	987	51.9	1,061	55.7	1,162	51.1	1,124	49.5	1,110	49.0
Cropland ¹	413	21.7	399	20.9	409	18.0	392	17.3	387	17.1
Grassland pasture ²	379	19.9	461	24.2	486	21.4	534	23.5	547	24.1
Woodland pasture.....	85	4.5	100	5.2	135	5.9	93	4.1	82	3.6
Woodland not pastured.....	65	3.4	57	3.0	86	3.8	70	3.1	64	2.8
Farmsteads, roads, and other land.....	45	2.4	44	2.3	46	2.0	37	1.6	30	1.3
Not in farms.....	916	48.1	844	44.3	1,111	48.9	1,147	50.5	1,156	51.0
Grazing land ³	578	30.4	504	26.4	402	17.7	319	14.0	293	12.9
Forest land not grazed ⁴	208	10.9	203	10.7	368	16.2	438	19.3	443	19.5
Other land ⁵	130	6.8	137	7.2	341	15.0	390	17.2	420	18.5

¹ Comprises cropland used for crops, soil improvement crops, and idle cropland.² Includes cropland used only for pasture.³ Includes grassland, arid woodland, and shrub and other forested land grazed.⁴ Excludes forest areas in parks and most other special uses.⁵ Comprises urban, industrial, and residential areas; rural parks; wildlife refuges; highway, road, and railroad rights-of-way; ungrazed desert; rocky, barren, swamp, tundra, and other land not otherwise counted.Source: Dept. of Agriculture, Economic Research Service. In annual report, *Agricultural Statistics*.

NO. 905. COMMERCIAL FERTILIZERS CONSUMED: 1940 TO 1967

[Quantity in thousands of tons. For years beginning July 1, except as noted. Includes Puerto Rico. Includes fertilizers distributed by Government agencies. See *Historical Statistics, Colonial Times to 1957*, series K 160, for related but not comparable data]

YEAR	ALL FERTILIZERS ¹				MIXED FERTILIZERS				Other fertilizers (quantity)
	Quan- tity	Percent			Quan- tity	Percent			
		Nitrogen	Phos- phoric oxide	Potash		Nitrogen	Phos- phoric oxide	Potash	
1940 ²	8,556	4.9	10.7	5.1	5,513	3.8	9.6	6.5	100
1950.....	20,345	6.1	10.4	6.8	13,978	4.2	11.0	9.0	646
1955.....	21,404	9.0	10.5	8.8	14,776	5.4	12.1	11.2	760
1960.....	24,374	12.4	10.9	8.9	15,735	6.8	13.2	12.0	1,194
1965.....	33,071	16.1	11.8	9.7	19,659	8.1	15.8	12.6	1,461
1966.....	35,684	16.9	12.1	10.2	21,132	8.3	16.6	13.0	1,397
1967 (prel.).....	36,700	18.0	11.9	10.4	21,101	8.6	16.7	12.9	1,581

¹ Products containing primary nutrients. ² Calendar year.Source: Dept. of Agriculture, Statistical Reporting Service. In annual report, *Agricultural Statistics*.

NO. 906. FARM MACHINERY AND EQUIPMENT: 1940 TO 1968

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 150-158]

ITEM	1940	1950	1955	1960	1965	1966	1967	1968 (prel.)
Value of farm implements and machinery ¹ mil. dol....	3,060	12,166	18,595	22,344	25,522	27,093	28,904	30,973
Number on farms, Jan. 1:								
Tractors ²	1,567	3,394	4,345	4,685	4,783	4,800	4,815	4,820
Motortrucks.....	1,047	2,207	2,675	2,825	3,023	3,060	3,100	3,125
Automobiles.....	4,144	4,100	4,140	3,629	3,587	(NA)	(NA)	(NA)
Grain combines.....	190	714	980	1,042	1,011	895	880	870
Corn pickers.....	110	456	688	792	690	675	655	640
Pickup balers.....	-	196	448	680	751	765	775	790
Field forage harvesters.....	-	81	202	290	316	320	322	325
Farms with milking machines.....	175	636	712	666	500	(NA)	(NA)	(NA)
Farmers' expenditures:								
Motor vehicles ³ mil. dol....	384	1,734	1,482	1,227	2,121	2,387	2,350	2,448
Machinery and equipment..... mil. dol....	241	1,418	1,278	1,486	2,097	2,373	2,469	2,435

- Represents zero. NA Not available.

¹ Inventory valuations at beginning of year. Includes family automobiles.² Excludes garden tractors. ³ For farm business use.Source: Dept. of Agriculture, Economic Research Service; annual report, *The Balance Sheet of Agriculture* and monthly report, *Farm Income Situation*, July issue. Also in *Agricultural Statistics*.

No. 907. IRRIGATION ORGANIZATIONS—SUMMARY: 1920 TO 1959

[Data are for 17 Western States (Alaska and Hawaii excluded, except as noted) and Louisiana. Relates to multiple farm organizations only. Based on reports of management of organizations. An organization is defined as a group of two or more water users, a company, a corporation, or a governmental district or agency that operates facilities to supply water for irrigation of farm or ranch lands. It may be a formal legal arrangement or an informal cooperative arrangement]

ITEM	1920	1930	1940	1950	1959
Approximate land area ¹mil. acres..	1,195	1,194	1,195	1,195	1,193
Farms (irrigated and nonirrigated) ¹1,000..	1,689	1,826	1,686	1,436	1,050
Land in all farms ¹mil. acres..	491	555	613	702	717
Irrigation organizations:					
Organizations.....number..	(NA)	4,342	5,583	10,491	18,765
Area irrigated.....mil. acres..	12	13	16	15	18
Investment in irrigation organizations.....mil. dol.	543	705	865	1,385	2,424
Increase over preceding census.....percent..	(NA)	29.8	22.7	60.1	75.0
Average per acre irrigated.....dollars..	44	54	53	92	137

NA Not available. ¹ Includes Hawaii.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1920*, Vol. VII; 1930 and 1940, *Irrigation of Agricultural Lands*; and *U.S. Census of Agriculture: 1950*, and 1959, Vol. III.

No. 908. IRRIGATED LAND IN FARMS, BY STATES: 1959 AND 1964

[Figures for acres irrigated represent irrigated cropland harvested plus irrigated pasture. For composition of regions, see fig. 1, p. xii. See *Historical Statistics, Colonial Times to 1957*, series J 84-85, for U.S. totals]

STATE	FARMS REPORTING		ACRES IRRIGATED (1,000)		STATE	FARMS REPORTING		ACRES IRRIGATED (1,000)	
	1959	1964	1959	1964		1959	1964	1959	1964
U.S.	307,783	297,387	33,163	37,056	S.A.	18,924	34,112	597	1,484
North	36,273	38,504	3,357	3,859	Del.	156	158	16	18
South	63,011	79,832	7,783	9,886	Md.	328	467	11	16
West	208,499	178,951	22,028	23,311	Va.	1,096	4,452	31	51
N.E.	1,618	2,118	31	47	W. Va.	66	79	1	2
Maine	138	206	2	4	N.C.	8,537	12,583	66	97
N.H.	76	159	1	3	S.C.	1,398	1,337	25	19
Vt.	72	77	2	1	Ga.	2,194	6,907	34	64
Mass.	1,093	1,229	20	24	Fla.	4,249	8,129	414	1,217
R.I.	34	66	(Z)	1	E.S.C.	3,253	4,969	137	160
Conn.	205	381	5	14	Ky.	1,130	2,708	9	14
M.A.	4,430	4,932	148	198	Tenn.	1,005	1,086	11	11
N.Y.	1,741	1,917	58	79	Ala.	328	318	17	12
N.J.	1,902	2,009	74	96	Miss.	790	857	100	123
Pa.	787	1,006	17	23	W.S.C.	40,834	40,851	7,050	8,242
E.N.C.	3,934	4,489	111	159	Ark.	6,652	6,220	712	974
Ohio	575	750	12	17	La.	4,817	4,844	485	581
Ind.	480	558	17	17	Okl.	2,481	2,673	198	302
Ill.	332	327	10	14	Tex.	27,884	27,114	5,656	6,385
Mich.	1,909	2,041	40	49	Mt.	96,094	86,095	12,095	12,611
Wis.	638	813	32	62	Mont.	11,935	10,843	1,875	1,893
W.N.C.	26,291	26,965	3,066	3,453	Idaho	25,393	22,261	2,577	2,802
Minn.	387	470	15	18	Wyo.	6,412	5,923	1,470	1,571
Iowa	313	291	18	22	Colo.	20,812	18,317	2,685	2,690
Mo.	590	822	30	59	N. Mex.	8,850	8,274	732	813
N. Dak.	471	442	48	51	Ariz.	5,391	4,697	1,152	1,128
S. Dak.	1,002	1,005	116	130	Utah	15,701	13,762	1,062	1,092
Neb.	18,936	18,833	2,078	2,169	Nev.	2,110	2,018	543	826
Kans.	4,592	5,102	762	1,004	Pac.	112,405	92,866	9,928	10,501
					Wash.	19,292	10,488	1,007	1,150
					Oreg.	17,724	15,869	1,384	1,608
					Calif.	74,138	59,429	7,396	7,599
					Alaska	(NA)	10	(NA)	(Z)
					Hawaii	1,251	1,070	141	144

NA Not available. Z Less than 500 acres. ¹ Excludes Alaska.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1964*, Vol. II.

No. 909. FEDERAL IRRIGATION PROJECTS: 1949 TO 1967

[Acreage in thousands; value in millions of dollars. "Full irrigation service" applies to irrigable land receiving its sole irrigation supply through Bureau-constructed facilities and to previously irrigated land in non-Federal projects where a substantial part of the facilities was constructed, rehabilitated, or replaced by the Bureau; "supplemental and temporary irrigation service" applies to irrigable land receiving irrigation water through Bureau projects in addition to supply from nonproject sources and to land for which water is delivered under temporary arrangements]

YEAR	ENTIRE AREA			FULL IRRIGATION SERVICE			SUPPLEMENTAL AND TEMPORARY IRRIGATION SERVICE		
	Irrigable acreage	Irrigated acreage	Gross crop value	Irrigable acreage	Irrigated acreage	Gross crop value	Irrigable acreage	Irrigated acreage	Gross crop value
1949-----	5,679	4,821	516	3,207	2,646	313	2,472	2,175	203
1950-----	6,025	5,077	578	3,305	2,716	311	2,720	2,361	267
1955-----	7,368	6,262	828	3,826	3,163	429	3,542	3,099	399
1960-----	8,171	6,900	1,158	4,326	3,438	581	3,845	3,412	577
1965-----	9,612	8,012	1,557	4,540	3,731	675	5,072	4,281	882
1966-----	9,624	8,011	1,693	4,577	3,786	778	5,047	4,225	915
1967-----	10,037	8,441	1,822	4,619	3,867	767	5,418	4,574	1,055

Source: Dept. of the Interior, Bureau of Reclamation; annual report, *Crop Report and Related Data, Federal Reclamation Projects*.

No. 910. DRAINAGE ENTERPRISES, BY SIZE GROUPS: 1930 TO 1960

[Excludes Alaska and Hawaii]

SIZE GROUP	Number of enterprises, 1960	AREA OF ENTERPRISES ¹ (1,000 acres)						
		All drainage States			30 States ²			
		1930	1940	1960	1930	1940	1950	1960
Total -----	8,461	128,495	132,828	99,098	41,644	45,207	54,618	47,189
Under 500 acres-----	-	7,349	9,065	-	163	244	604	-
500-999 acres-----	2,847	11,130	11,235	1,951	910	954	1,098	1,622
1,000-1,999 acres-----	2,081	14,558	14,558	2,881	1,726	1,962	1,962	2,459
2,000-4,999 acres-----	1,588	34,074	20,511	4,883	4,999	3,961	4,102	4,401
5,000-9,999 acres-----	728	15,865	16,388	5,082	4,485	4,543	4,528	4,631
10,000-19,999 acres-----	499	35,076	16,964	6,963	14,769	6,042	6,004	5,974
20,000-49,999 acres-----	320	15,404	20,142	9,795	6,304	10,048	7,921	7,617
50,000-99,999 acres-----	152	11,404	10,760	10,631	6,816	6,816	6,085	6,091
100,000-199,999 acres-----	246	10,219	5,925	56,912	10,014	3,794	3,566	14,394
200,000-499,999 acres-----			3,155			2,955	6,576	
500,000 acres and over-----			4,124			4,124	12,172	

- Represents zero. ¹ Includes some duplication for some areas in more than 1 enterprise (overlapped).

² For 1960, 29 States; largely States with organized drainage districts and other corporate and private enterprises. See text, p. 588.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1959*, Vol. IV.

No. 911. GROWTH OF CONSERVATION DISTRICTS: 1950 TO 1968

[For years ending June 30. Includes Puerto Rico and Virgin Islands]

ITEM	1950	1955	1960	1964	1965	1966	1967	1968
Number organized:								
Each year-----	121	56	6	29	18	6	15	2
Cumulative total-----	2,285	2,674	2,867	2,971	2,989	2,995	3,010	3,012
With supplemental memorandum: ¹								
Each year-----	133	63	23	10	13	19	13	11
Cumulative total-----	2,207	2,644	2,837	2,908	2,921	2,940	2,953	2,964
Area in districts:								
New and additions-----mil. acres--	75	43	10	20	14	16	13	16
Cumulative total-----mil. acres--	1,253	1,485	1,672	1,739	1,753	1,769	1,782	1,798

¹ Signed for assistance from Soil Conservation Service.

Source: Dept. of Agriculture, Soil Conservation Service; *Report of Administrator of Soil Conservation Service*.

No. 912. BALANCE SHEET OF AGRICULTURE: 1940 TO 1969

[In billions of dollars. As of January 1. Excludes Alaska and Hawaii]

ITEM	1940	1945	1950	1955	1960	1965	1967	1968	1969 (prol.)
Assets	52.9	94.2	132.5	165.1	203.1	238.5	269.8	283.5	297.9
Physical assets:									
Real estate.....	33.6	53.9	75.3	98.2	130.2	160.9	182.5	193.7	202.7
Non-real-estate:									
Livestock ¹	5.1	9.0	12.9	11.2	15.2	14.5	18.9	18.7	72.4
Machinery and motor vehicles.....	3.1	6.5	12.2	18.6	22.2	25.5	28.9	31.0	
Crops stored on and off farms ²	2.7	6.7	7.6	9.6	7.7	9.2	10.0	9.5	
Household furnishings and equipment.....	4.2	5.6	8.6	10.0	9.6	8.6	8.4	8.5	
Financial assets:									
Deposits and currency.....	3.2	7.9	9.1	9.4	9.2	9.6	10.3	10.9	22.8
United States savings bonds.....	.2	3.4	4.7	5.0	4.7	4.2	3.9	3.8	
Investments in cooperatives.....	.8	1.2	2.1	3.1	4.3	6.0	6.9	7.4	
Claims	52.9	94.2	132.5	165.1	203.1	238.5	269.8	283.5	297.9
Liabilities.....	10.0	8.3	12.4	17.6	24.8	37.6	45.7	50.4	55.4
Real estate debt.....	6.6	4.9	5.6	8.2	12.1	18.9	23.3	25.5	27.8
Non-real-estate debt to—									
Commodity Credit Corporation ³4	.7	1.7	2.2	1.2	1.6	1.2	1.4	2.3
Other reporting institutions ⁴	1.5	1.6	2.8	4.0	6.7	10.0	12.4	13.7	25.3
Nonreporting creditors ⁵	1.5	1.1	2.3	3.2	4.8	7.1	8.8	9.8	
Proprietors' equities.....	42.9	85.9	120.1	147.5	178.3	200.9	224.1	233.1	242.5

¹ Beginning 1965, excludes horses and mules. ² Includes all crops held on farms and crops held off farms by farmers as security for CCC loans. The latter totaled \$487 million on Jan. 1, 1968.

³ Nonrecourse CCC loans secured by crops owned by farmers are included as assets in this balance sheet.

⁴ Loans of all operating banks, production credit associations, and Farmers Home Administration, and discounts of Federal intermediate credit banks for agricultural credit corporations and livestock loan companies.

⁵ Loans and credits extended by dealers, merchants, finance companies, individuals, and others. Estimates based on fragmentary data.

Source: Dept. of Agriculture, Economic Research Service; *The Balance Sheet of Agriculture*.

No. 913. FARM REAL ESTATE—INDEXES OF AVERAGE VALUE OF LAND AND BUILDINGS PER ACRE, BY STATES: 1940 TO 1969

[1957-59=100. As of March 1]

STATE	1940	1950	1960	1965	1969 ¹	STATE	1940	1950	1960	1965	1969 ¹
United States²	30	65	111	139	179	South Atlantic—Con.					
New England:						Virginia.....	30	62	109	135	174
Maine.....	51	71	111	128	166	West Virginia.....	44	72	110	131	163
New Hampshire.....	56	80	114	144	195	North Carolina.....	26	65	106	141	180
Vermont.....	48	84	114	151	209	South Carolina.....	28	64	112	144	204
Massachusetts.....	59	78	116	142	182	Georgia.....	25	56	118	167	262
Rhode Island.....	49	76	117	149	201	Florida.....	27	45	118	159	174
Connecticut.....	47	73	113	135	181	East South Central:					
Middle Atlantic:						Kentucky.....	29	70	112	148	180
New York.....	43	75	107	130	168	Tennessee.....	30	74	112	150	199
New Jersey.....	35	57	113	137	186	Alabama.....	29	62	113	159	219
Pennsylvania.....	36	62	111	141	188	Mississippi.....	25	58	108	148	222
East North Central:						West South Central:					
Ohio.....	27	59	105	125	159	Arkansas.....	24	62	115	183	254
Indiana.....	25	60	107	125	166	Louisiana.....	31	56	117	154	220
Illinois.....	29	63	106	124	163	Oklahoma.....	31	67	115	158	207
Michigan.....	28	62	109	127	170	Texas.....	34	63	117	159	195
Wisconsin.....	43	74	107	118	160	Mountain:					
West North Central:						Montana.....	24	57	116	142	177
Minnesota.....	32	63	108	121	158	Idaho.....	26	65	110	126	152
Iowa.....	34	73	108	117	163	Wyoming.....	27	68	113	141	171
Missouri.....	31	66	109	140	203	Colorado.....	26	74	111	136	163
North Dakota.....	29	64	111	138	183	New Mexico.....	26	77	109	146	171
South Dakota.....	31	73	109	135	170	Arizona.....	24	58	112	132	140
Nebraska.....	33	73	110	135	177	Utah.....	32	70	108	127	145
Kansas.....	29	70	108	131	168	Nevada.....	32	64	108	132	152
South Atlantic:						Pacific:					
Delaware.....	31	55	118	153	202	Washington.....	30	66	107	122	160
Maryland.....	27	54	113	157	218	Oregon.....	29	69	106	129	160
						California.....	26	58	116	160	186

¹ Includes improvements. ² Excludes Alaska and Hawaii.

Source: Dept. of Agriculture, Economic Research Service; *Farm Real Estate Market Developments*.

No. 914. FARM INCOME AND EXPENSES: 1940 TO 1968

[In millions of dollars, except as indicated. Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1967*, series K 81, K 122-128, and K 159]

ITEM	1940	1950	1955	1960	1965	1966	1967	1968 (prel.)
Realized gross income.....	11,059	32,271	33,138	38,088	44,926	49,597	49,061	50,752
Cash receipts.....	8,382	28,461	29,490	34,154	39,350	43,180	42,788	44,065
Crops.....	3,469	12,356	13,523	15,208	17,392	18,256	18,383	18,424
Livestock and livestock products.....	4,913	16,105	15,967	18,946	21,958	24,924	24,405	25,641
Government payments.....	723	283	229	702	2,463	3,277	3,079	3,485
Value of home consumption.....	1,210	2,063	1,678	1,250	813	816	745	725
Rental value of dwellings.....	744	1,464	1,741	1,981	2,300	2,324	2,449	2,477
Total expenses of agricultural production.....	6,858	19,410	21,889	26,352	30,933	33,404	34,820	35,900
Current farm operating expense (excluding hired farm labor).....	3,840	11,518	12,974	16,045	18,754	20,497	21,318	21,627
Feed purchased.....	998	3,283	3,880	4,923	5,740	6,323	6,543	6,257
Livestock purchased.....	517	2,004	1,539	2,502	2,913	3,499	3,413	3,600
Seed purchased ¹	197	518	566	510	637	624	671	665
Fertilizer and lime.....	306	975	1,185	1,315	1,754	1,973	2,161	2,100
Repairs and operation of capital items ²	1,038	2,975	3,600	3,966	4,073	4,251	4,443	4,590
Miscellaneous ³	784	1,763	2,204	2,829	3,628	3,827	4,087	4,415
Depreciation and other consumption of farm capital.....	797	2,665	3,700	4,244	4,982	5,284	5,741	6,111
Taxes on farms.....	451	919	1,141	1,502	1,943	2,108	2,242	2,397
Interest on farm mortgage debt.....	293	264	402	628	1,077	1,205	1,334	1,480
Wages paid hired farm labor ⁴	1,029	2,811	2,615	2,923	2,849	2,884	2,868	2,977
Net rent to nonfarm landlords.....	448	1,233	1,057	1,010	1,328	1,426	1,317	1,308
Realized net income of farm operators from farming.....	4,201	12,861	11,249	11,736	13,993	16,193	14,241	14,852
Adjustment for inventory changes.....	+281	+812	+215	+343	+994	-107	+403	+500
Total net income of farm operators from farming.....	4,482	13,673	11,464	12,079	14,987	16,086	14,644	15,352
Average income per farm..... dollars.....	706	2,421	2,463	3,049	4,487	4,967	4,654	5,026

¹ Includes bulbs, plants, and trees. ² Includes expenditures for repairs and maintenance of farm buildings; petroleum fuel and oil; other motor-vehicle operation; and repairs on other machinery.

³ Includes interest on non-real-estate debt, pesticides, ginning, electricity and telephones (business share), livestock marketing charges (excluding feed and transportation), containers, irrigation, grazing, milk hauling (beginning 1950), binding materials, tools for sirup, horses and mules, harness and saddlery, blacksmithing and hardware, veterinary services and medicines, net insurance premiums (crop, fire, wind, and hail), and miscellaneous dairy, nursery, greenhouse, apiary, and other supplies.

⁴ Includes cash wages, perquisites, and Social Security taxes paid by employers.

Source: Dept. of Agriculture, Economic Research Service; *The Farm Income Situation*.

No. 915. FARM INCOME AND PRODUCTION EXPENSES, BY VALUE OF SALES CLASSES: 1960 AND 1968

VALUE OF SALES AND YEAR	REALIZED GROSS FARM INCOME		FARM PRODUCTION EXPENSES		REALIZED-NET FARM INCOME		PER FARM AVERAGES (dollars)			
	Total (mil. dol.)	Per- cent of total	Total (mil. dol.)	Per- cent of total	Total (mil. dol.)	Per- cent of total	Real- ized gross	Pro- duction ex- penses	Farm opera- tor realized net	Family income off- farm
All farms:										
1960.....	38,088	100.0	26,352	100.0	11,736	100.0	9,614	6,652	2,962	2,140
1968.....	51,132	100.0	36,346	100.0	14,786	100.0	16,741	11,900	4,841	4,786
Farms with sales of—										
Less than \$2,500:										
1960.....	3,299	8.7	1,728	6.6	1,571	13.4	1,785	935	850	2,731
1968.....	2,696	5.3	1,333	3.7	1,363	9.2	2,096	1,037	1,059	6,241
\$2,500–\$4,999:										
1960.....	2,888	7.6	1,678	6.4	1,210	10.3	4,681	2,720	1,961	1,849
1968.....	1,684	3.3	1,001	2.8	683	4.6	5,149	3,061	2,088	4,450
\$5,000–\$9,999:										
1960.....	5,652	14.8	3,471	13.2	2,181	18.6	8,564	5,259	3,305	1,573
1968.....	3,953	7.7	2,401	6.6	1,552	10.5	9,412	5,717	3,695	4,100
\$10,000–\$19,999:										
1960.....	7,867	20.6	5,199	19.7	2,668	22.7	15,829	10,461	5,368	1,258
1968.....	8,671	17.0	5,476	15.1	3,195	21.6	17,517	11,063	6,454	2,877
\$20,000–\$39,999:										
1960.....	6,766	17.8	4,802	18.2	1,964	16.7	29,806	21,154	8,652	1,678
1968.....	10,572	20.7	7,251	19.9	3,321	22.5	31,843	21,840	10,003	3,006
\$40,000 and over:										
1960.....	11,616	30.5	9,474	35.9	2,142	18.3	102,796	83,841	18,955	2,177
1968.....	23,556	46.1	18,884	51.9	4,672	31.6	121,423	97,340	24,083	5,108

Source: Dept. of Agriculture, Economic Research Service; *The Farm Income Situation*.

No. 916. FARM INCOME—CASH RECEIPTS FROM FARM MARKETINGS: 1940 TO 1968

[In millions of dollars]

ITEM	1940	1950	1955	1960	1965	1966	1967	1968 (prel.)
Farm marketings	8,382	28,461	29,490	34,154	39,350	43,180	42,788	44,065
All crops	3,469	12,356	13,523	15,208	17,392	18,256	18,383	18,424
Cotton (lint and seed).....	638	2,434	2,580	2,340	2,330	1,588	1,107	1,359
Tobacco.....	242	1,061	1,225	1,154	1,186	1,211	1,392	1,182
Food grains.....	479	1,941	1,990	2,460	2,041	2,361	2,531	2,362
Oilbearing crops.....	126	935	1,131	1,364	2,173	2,700	2,773	2,666
Feed crops.....	600	2,143	2,555	3,025	3,669	4,306	4,306	4,027
Vegetables ¹	559	1,436	1,683	1,941	2,580	2,545	2,634	2,784
Fruits and tree nuts ¹	446	1,188	1,276	1,514	1,667	1,761	1,747	2,053
Other ²	379	1,218	1,083	1,410	1,746	1,794	1,893	1,991
All livestock and products	4,913	16,105	15,967	18,946	21,958	24,924	24,405	25,641
Hogs.....	836	3,214	2,694	2,873	3,693	4,093	3,780	3,830
Cattle and calves.....	1,375	5,680	5,245	7,898	8,942	10,432	10,551	11,366
Sheep and lambs.....	180	387	316	327	329	334	299	303
Wool.....	106	130	91	108	95	101	75	71
Dairy products.....	1,521	3,719	4,217	4,753	5,037	5,532	5,770	5,981
Poultry and eggs.....	828	2,839	3,224	3,292	3,581	4,149	3,640	3,828
Other ³	67	136	180	195	281	283	290	262

¹ For 1940, melons included with fruits; thereafter, with vegetables.² Sugar crops, greenhouse and nursery products, forest products, legume and grass seeds, hops, mint, broomcorn popcorn, hemp fiber and seed, and flax fiber.³ Horses and mules (1940 to 1955), mohair, honey, beeswax, bees, goats, rabbits, and fur animals.Source: Dept. of Agriculture, Economic Research Service; *The Farm Income Situation*.

No. 917. FARM MARKETINGS, BY PRICE SUPPORT STATUS: 1950 TO 1968

In millions of dollars, except percent. Excludes Alaska and Hawaii. Farm marketings represent gross receipts from commercial market sales as well as net Commodity Credit Corporation loans]

CROPS	TOTAL MARKET SALES					PERCENT DISTRIBUTION				
	1950	1955	1960	1965	1968	1950	1955	1960	1965	1968
Total	28,461	29,490	33,999	39,350	44,065	100.0	100.0	100.0	100.0	100.0
Under price support	12,428	13,788	15,242	16,557	17,892	43.7	46.8	44.8	42.1	40.6
Mandatory support.....	11,299	12,461	13,695	14,263	15,173	39.7	42.3	40.3	36.3	34.4
Basic commodities.....	6,563	7,194	7,696	7,693	7,418	23.0	24.4	22.7	19.6	18.8
Cotton.....	2,143	2,324	2,116	2,065	1,153	7.5	7.9	6.2	5.2	2.6
Wheat.....	1,732	1,698	2,195	1,637	1,823	6.1	5.8	6.5	4.2	4.1
Corn.....	1,232	1,507	1,817	2,157	2,447	4.3	5.1	5.4	5.5	5.6
Tobacco.....	1,061	1,225	1,154	1,186	1,169	3.7	4.1	3.4	3.0	2.7
Rice.....	189	270	244	377	519	0.7	0.9	0.7	1.0	1.2
Peanuts.....	206	170	170	271	307	0.7	0.6	0.5	0.7	0.7
Nonbasic commodities ¹	4,736	5,267	5,999	6,570	7,755	16.7	17.9	17.6	16.7	17.6
Dairy products.....	3,719	4,217	4,740	5,037	5,981	13.1	14.3	13.9	12.8	13.6
Oats.....	229	246	199	194	185	0.8	0.8	0.6	0.5	0.4
Barley.....	194	238	247	305	266	0.7	0.8	0.7	0.8	0.8
Sorghum grain.....	209	211	372	496	577	0.7	0.7	1.1	1.3	1.3
Sugar beets.....	140	136	190	250	364	0.5	0.5	0.6	0.6	0.8
Others ²	245	219	251	288	382	0.9	0.8	0.7	0.7	0.9
Nonmandatory support ³	1,129	1,327	1,547	2,294	2,719	4.0	4.5	4.6	5.8	6.2
Soybeans.....	596	832	1,125	1,812	2,289	2.1	2.8	3.3	4.6	5.2
Cottonseed.....	290	244	225	265	211	1.0	0.8	0.7	0.7	0.5
Flaxseed.....	130	127	67	86	68	0.5	0.5	0.2	0.2	0.2
Dry beans.....	113	124	130	131	151	0.4	0.4	0.4	0.3	0.3
Not under price support	16,033	15,702	18,757	22,793	26,173	56.3	53.2	55.2	57.9	59.4

¹ Under legislation in effect in 1968. Prior to 1959, support was nonmandatory for oats, barley, sorghum grain, and rye.² Includes wool, mohair, honey, tung nuts, rye, and sugarcane.³ Marketing not estimated for naval stores and castor beans.Source: Dept. of Agriculture, Economic Research Service; *The Farm Income Situation*.

NO. 918. FARM INCOME—CASH RECEIPTS, 1967 AND 1968, AND PRINCIPAL COMMODITIES IN ORDER OF CASH RECEIPTS, 1968, BY STATES

[In millions of dollars. Cattle include calves, and sheep include lambs]

STATE	1967	1968				Principal commodities in order of cash receipts, 1968
		Farm marketings			Govt. pay-ments	
		Total	Crops	Livestock and products		
U.S.	45,867.1	44,065.2	18,424.6	25,640.6	3,485.4	Cattle, dairy prod., hogs, corn, soybeans.
N.E.	746.8	747.3	238.5	508.8	6.2	
Maine	214.5	207.7	69.4	138.3	2.1	Potatoes, broilers, eggs, dairy prod.
N.H.	56.7	57.5	12.2	45.3	.7	Dairy prod., eggs, cattle, apples.
Vt.	138.6	143.1	12.8	130.3	1.7	Dairy prod., cattle, eggs, apples.
Mass.	156.7	158.9	70.3	88.6	.7	Dairy prod., eggs, cranberries, tobacco.
R.I.	19.6	20.0	9.4	10.6	.1	Dairy prod., eggs, potatoes, cattle.
Conn.	160.7	160.1	64.4	95.7	.9	Dairy prod., eggs, tobacco, cattle.
M.A.	2,180.0	2,198.3	683.0	1,515.3	50.1	
N.Y.	1,014.3	1,030.3	293.6	736.7	21.8	Dairy prod., cattle, eggs, apples.
N.J.	256.2	258.1	151.9	106.2	4.6	Dairy prod., eggs, tomatoes, asparagus.
Pa.	909.5	909.9	237.5	672.4	23.7	Dairy prod., cattle, eggs, corn.
E.N.C.	7,776.2	7,537.0	3,044.8	4,492.2	497.1	
Ohio	1,304.7	1,237.9	520.9	717.0	95.9	Dairy prod., cattle, hogs, soybeans.
Ind.	1,468.9	1,371.7	583.1	788.6	120.1	Hogs, corn, cattle, soybeans.
Ill.	2,629.9	2,591.5	1,330.0	1,261.5	163.1	Corn, hogs, cattle, soybeans.
Mich.	911.4	866.8	398.8	468.0	65.6	Dairy prod., cattle, dry beans, hogs.
Wis.	1,461.3	1,469.2	212.0	1,257.2	52.4	Dairy prod., cattle, hogs, corn.
W.N.C.	12,365.4	11,642.6	3,427.6	8,215.0	1,174.9	
Minn.	1,926.0	1,812.8	524.3	1,288.5	139.2	Cattle, dairy prod., hogs, soybeans.
Iowa	3,580.3	3,523.0	830.3	2,692.7	251.8	Cattle, hogs, corn, soybeans.
Mo.	1,458.3	1,373.5	440.8	932.7	140.8	Cattle, hogs, soybeans, dairy prod.
N. Dak.	848.2	728.4	430.5	297.9	139.6	Wheat, cattle, barley, dairy prod.
S. Dak.	990.0	960.5	209.7	750.8	87.4	Cattle, hogs, dairy prod., corn.
Nebr.	1,869.9	1,691.9	454.4	1,237.5	187.2	Cattle, hogs, corn, wheat.
Kans.	1,692.6	1,552.5	537.6	1,014.9	228.9	Cattle, wheat, hogs, sorghum grain.
S.A.	5,109.0	4,894.9	2,613.6	2,281.3	252.2	
Del.	133.5	124.9	38.1	86.8	2.0	Broilers, corn, dairy prod., soybeans.
Md.	333.4	344.0	108.3	235.7	6.9	Broilers, dairy prod., cattle, tobacco.
Va.	530.1	510.1	226.3	283.8	18.6	Dairy prod., cattle, tobacco, eggs.
W. Va.	97.6	99.5	24.7	74.8	4.3	Dairy prod., cattle, apples, eggs.
N.C.	1,341.4	1,195.9	707.6	488.3	62.6	Tobacco, broilers, eggs, dairy prod.
S.C.	482.3	376.3	230.9	145.4	54.0	Tobacco, soybeans, eggs, cattle.
Ga.	1,110.9	1,025.9	412.7	613.2	82.2	Broilers, eggs, peanuts, cattle.
Fla.	1,079.9	1,218.3	865.0	353.3	21.6	Oranges, cattle, dairy prod., tomatoes.
E.S.C.	3,148.3	2,823.2	1,198.5	1,624.7	324.2	
Ky.	862.4	772.0	379.1	392.9	46.7	Tobacco, cattle, dairy prod., hogs.
Tenn.	675.1	619.4	245.6	373.8	70.0	Cattle, dairy prod., tobacco, soybeans.
Ala.	683.0	637.6	193.5	444.1	84.1	Broilers, cattle, eggs, dairy prod.
Miss.	927.8	794.2	380.3	413.9	123.5	Cotton lint, cattle, soybeans, broilers.
W.S.C.	5,506.9	5,137.0	2,414.8	2,722.2	700.2	
Ark.	954.5	954.6	502.4	452.2	81.1	Soybeans, broilers, rice, cotton lint.
La.	649.5	632.3	401.7	230.6	50.8	Rice, cattle, soybeans, sugarcane.
Okla.	918.8	843.1	266.6	576.5	108.9	Cattle, wheat, dairy prod., peanuts.
Tex.	2,984.1	2,707.0	1,244.1	1,462.9	459.4	Cattle, sorghum grain, cotton lint, dairy prod.
Mt.	3,452.5	3,310.9	1,197.1	2,113.8	286.4	
Mont.	557.1	476.9	195.6	281.3	73.7	Cattle, wheat, barley, sugar beets.
Idaho	557.0	529.2	291.2	238.0	40.4	Cattle, potatoes, wheat, dairy prod.
Wyo.	211.9	212.8	86.7	176.1	14.4	Cattle, sheep, sugar beets, wheat.
Colo.	942.9	948.7	216.0	732.7	65.3	Cattle, dairy prod., wheat, sugar beets.
N. Mex.	350.7	338.6	99.3	239.3	37.1	Cattle, cotton lint, dairy prod., hay.
Ariz.	574.3	555.2	304.3	250.9	43.1	Cattle, cotton lint, lettuce, dairy prod.
Utah	199.5	190.4	42.9	147.5	10.5	Cattle, dairy prod., turkeys, sheep.
Nev.	59.1	59.1	11.1	48.0	1.9	Cattle, dairy prod., hay, alfalfa seed.
Pac.	5,581.6	5,774.0	3,606.7	2,167.3	194.0	
Wash.	834.0	794.9	525.1	269.8	53.8	Wheat, cattle, apples, dairy prod.
Oreg.	546.3	506.6	269.9	236.7	23.2	Cattle, dairy prod., wheat, pears.
Calif.	3,989.5	4,263.2	2,643.9	1,619.3	106.3	Cattle, dairy prod., tomatoes, eggs.
Alaska	4.3	4.1	1.0	3.1	.1	Dairy prod., potatoes, eggs, cattle.
Hawaii	207.5	205.2	166.9	38.3	10.6	Sugarcane, pineapple, cattle, dairy prod.

Source: Dept of Agriculture, Economic Research Service; *The Farm Income Situation*.

No. 919. COMMODITY CREDIT CORPORATION—SUMMARY: 1955 TO 1968

[Money figures in millions of dollars. As of June 30 or for years ending June 30. The Commodity Credit Corporation (CCC), established in 1933 by Congress, is the financial organization through which farm price support is carried out by loans, purchases, and other operations]

ITEM	1955	1960	1962	1963	1964	1965	1966	1967	1968
Loans made, value.....	2, 377	1, 507	2, 662	3, 070	2, 776	2, 144	1, 971	1, 411	2, 052
Loans outstanding, total value ¹	2, 137	1, 347	2, 255	2, 602	2, 815	2, 534	2, 231	1, 536	2, 345
Wheat.....	32	163	149	161	115	136	111	96	298
Sorghum grain.....	1	14	16	26	32	36	39	30	57
Corn.....	470	646	1, 040	1, 044	759	616	451	296	606
Cotton.....	1, 129	9	591	751	1, 012	775	731	153	61
Cost of acquisitions ^{1 2}	2, 985	4, 020	1, 969	2, 771	2, 305	2, 005	1, 540	1, 351	599
Wheat.....	1, 075	371	257	454	212	169	55	24	9
Sorghum grain.....	160	96	229	249	129	77	91	7	1
Corn.....	586	361	431	709	541	140	191	111	3
Cotton.....	271	2, 507	(Z)	566	760	952	767	742	132
Commodities owned, value ^{1 2}	4, 572	6, 021	4, 474	4, 726	4, 338	3, 892	3, 113	1, 858	913
Wheat.....	2, 297	2, 452	2, 143	2, 168	1, 683	1, 297	680	195	149
Sorghum grain.....	133	646	740	696	709	648	467	207	204
Corn.....	934	1, 700	737	604	906	595	344	168	162
Cotton.....	266	880	249	719	739	1, 123	1, 497	1, 051	101
Commodities owned, quantity:									
Wheat.....mil. bu.....	976	1, 195	1, 097	1, 082	829	646	340	124	102
Sorghum grain.....mil. bu.....	92	570	687	633	638	554	420	194	192
Corn.....mil. bu.....	581	1, 158	659	492	735	493	280	141	136
Cotton.....1,000 bales.....	1, 662	5, 061	1, 463	4, 151	4, 440	6, 739	9, 412	6, 839	1
Cost of sales and donations ²	1, 869	3, 261	3, 227	2, 617	2, 734	2, 487	2, 342	2, 621	1, 565
Storage and handling expense ²	235	476	393	377	365	311	235	151	75
Retail loan storage expense ²	20	53	71	76	79	82	68	44	50

² Less than \$500,000. ¹ Includes amounts for commodities not shown separately.

² Price support commodities only. Data comparable for all years.

Source: Dept. of Agriculture, Agricultural Stabilization and Conservation Service; quarterly report, *Commodity Credit Corporation Report of Financial Condition and Operations*.

No. 920. FARM-RETAIL SPREADS FOR FARM-ORIGINATED FOOD PRODUCTS, BY COMMODITY GROUP: 1957 TO 1968

In dollars, except as indicated. These estimates are for a market basket of domestic farm-originated food products purchased annually per household in 1960-61 by wage-earner and clerical-worker families and single workers living alone. Quantities of food valued do not change from year to year. See *Historical Statistics, Colonial Times to 1957*, series T 352-355, for 1952 market basket totals for all foods]

COMMODITY GROUP AND VALUE	1957-1959, average	1960	1965	1966	1967	1968 (prel.)
All farm food products,¹ retail cost.....	983	991	1,038	1,095	1,080	1,118
Farm value adjusted for byproducts.....	388	383	408	443	414	434
Farm-retail spread.....	595	608	630	652	666	684
Farmer's share of consumer's dollar.....percent.....	39	39	39	40	38	39
Meat products, retail cost.....	285	284	303	330	317	324
Farm value adjusted for byproducts.....	154	148	164	180	166	172
Farm-retail spread.....	131	136	139	150	151	152
Farmer's share of consumer's dollar.....percent.....	54	52	54	55	52	53
Dairy products, retail cost.....	173	178	178	189	196	202
Farm value adjusted for byproducts.....	78	79	80	90	93	97
Farm-retail spread.....	95	99	98	99	103	105
Farmer's share of consumer's dollar.....percent.....	45	44	45	47	48	48
Poultry and eggs, retail cost.....	93	91	85	92	82	86
Farm value adjusted for byproducts.....	56	55	48	54	43	47
Farm-retail spread.....	37	36	37	38	39	39
Farmer's share of consumer's dollar.....percent.....	61	61	57	58	53	55
Bakery and cereal products, retail cost.....	148	152	160	166	169	170
Farm value adjusted for byproducts.....	51	29	33	36	35	33
Farm-retail spread.....	117	123	127	130	134	137
Farmer's share of consumer's dollar.....percent.....	21	19	21	22	21	19
Fruits and vegetables, retail cost.....	203	208	228	231	229	248
Farm value adjusted for byproducts.....	50	52	64	62	57	67
Farm-retail spread.....	153	156	164	169	172	181
Farmer's share of consumer's dollar.....percent.....	25	25	28	27	25	27
Fats and oils, retail cost.....	38	34	37	39	39	38
Farm value adjusted for byproducts.....	11	10	11	12	11	10
Farm-retail spread.....	27	24	26	27	28	28
Farmer's share of consumer's dollar.....percent.....	30	29	31	32	28	26

¹ Includes miscellaneous group not shown separately.

Source: Dept. of Agriculture, Economic Research Service; *Farm-Retail Spreads for Food Products, 1947-64*, ERS-226, April 1965, and *The Marketing and Transportation Situation*, February 1969.

NO. 921. FARM FACILITIES AND FARM-OPERATOR FAMILIES, 1920 TO 1964, AND BY STATES, 1964

[In thousands, except percent. 1964 data based on reports for a sample of farms. Prior to 1950, excludes Alaska and Hawaii. For composition of regions, see fig. I, p. xii]

YEAR AND STATE	MOTORTRUCKS ON FARMS		AUTOMOBILES ON FARMS		TRACTORS ON FARMS		PERCENT OF FARMS REPORTING AS HAVING—		
	Farms report- ing	Num- ber	Farms report- ing	Num- ber	Farms report- ing	Num- ber	Tele- phone	Home food freezer	Other income, excl. value of farm sales
1920.....	132	139	1,980	2,146	229	246	38.7	(NA)	(NA)
1930.....	845	900	3,650	4,135	851	920	34.0	(NA)	(NA)
1940.....	944	1,047	3,542	4,144	1,410	1,567	25.0	(NA)	(NA)
1950.....	1,843	2,214	3,393	4,204	2,526	3,612	38.2	12.1	(NA)
1959.....	2,177	2,834	2,957	3,635	2,680	5,139	65.0	55.8	35.8
1964									
U.S.	2,167	3,030	2,675	3,593	2,520	5,486	76.2	72.5	81.2
North.....	1,045	1,397	1,373	1,879	1,361	3,290	87.7	77.6	80.3
South.....	868	1,136	1,030	1,318	907	1,584	61.8	66.3	82.4
West.....	254	497	272	396	252	611	85.2	75.3	80.1
New England	30	52	37	54	34	76	91.8	67.5	80.0
Maine.....	9	15	11	15	10	20	88.1	69.5	84.5
New Hampshire.....	3	6	4	6	4	8	91.9	67.2	84.4
Vermont.....	6	8	8	12	8	19	89.9	74.1	80.3
Massachusetts.....	6	11	7	10	6	14	94.6	58.4	75.3
Rhode Island.....	1	2	1	2	1	2	97.0	50.1	61.9
Connecticut.....	5	10	6	9	5	13	97.7	68.4	76.2
Middle Atlantic	106	150	146	209	146	356	90.7	78.1	78.1
New York.....	43	63	61	84	62	157	92.7	77.3	78.3
New Jersey.....	9	17	10	15	9	26	94.4	69.0	70.0
Pennsylvania.....	54	70	75	110	75	173	88.7	79.9	79.0
East North Central	396	488	536	739	533	1,304	88.1	79.5	80.7
Ohio.....	74	91	111	160	109	249	86.4	77.2	84.0
Indiana.....	78	99	99	137	98	231	88.5	80.0	82.7
Illinois.....	99	121	125	166	125	335	90.7	81.0	75.3
Michigan.....	63	80	88	122	88	204	87.0	78.0	85.2
Wisconsin.....	82	97	113	154	113	285	87.6	80.6	78.2
West North Central	516	709	655	878	649	1,555	86.4	76.6	80.5
Minnesota.....	91	113	126	175	125	308	87.2	80.1	79.2
Iowa.....	97	107	149	201	144	352	94.5	79.7	79.5
Missouri.....	100	123	124	150	126	256	79.7	70.7	83.1
North Dakota.....	45	82	46	65	47	130	79.7	82.7	81.6
South Dakota.....	39	57	47	66	47	125	82.5	79.6	74.7
Nebraska.....	64	93	77	106	75	190	86.8	79.5	80.6
Kansas.....	80	134	86	115	85	194	87.9	68.7	82.3
South Atlantic	278	367	363	483	319	558	62.3	67.4	81.2
Delaware.....	3	5	4	6	4	10	88.4	74.8	74.3
Maryland.....	14	21	18	28	18	45	84.9	75.0	79.0
Virginia.....	46	59	59	78	56	103	65.5	60.3	81.5
West Virginia.....	20	24	24	29	23	39	68.6	61.3	91.0
North Carolina.....	84	101	116	151	102	164	54.0	68.3	77.8
South Carolina.....	30	39	44	58	33	54	51.4	67.0	80.6
Georgia.....	57	77	67	90	59	97	68.1	75.6	83.8
Florida.....	24	41	31	43	24	46	69.9	62.3	82.3
East South Central	265	321	334	423	280	456	55.9	63.7	82.4
Kentucky.....	74	90	102	131	88	144	61.4	58.0	80.0
Tennessee.....	74	86	97	122	86	138	65.0	64.7	83.3
Alabama.....	56	70	64	82	53	79	53.1	67.2	83.9
Mississippi.....	61	75	71	88	53	95	40.2	66.4	83.0
West South Central	325	448	333	413	308	571	67.5	67.9	83.5
Arkansas.....	60	81	53	65	54	105	57.1	64.2	79.7
Louisiana.....	40	51	46	56	36	65	67.6	60.1	81.3
Oklahoma.....	73	105	71	87	66	116	74.9	65.5	86.6
Texas.....	152	211	163	205	152	285	68.4	66.7	84.4
Mountain	118	244	119	170	114	290	79.9	77.9	77.8
Montana.....	25	58	25	35	25	69	78.4	82.2	75.0
Idaho.....	26	48	27	37	27	66	84.8	80.5	78.6
Wyoming.....	8	18	8	11	8	23	78.7	81.6	76.1
Colorado.....	27	56	27	39	26	68	85.2	80.0	78.8
New Mexico.....	12	23	11	15	9	19	58.6	69.6	78.3
Arizona.....	5	17	5	11	4	14	75.4	68.4	71.6
Utah.....	13	20	14	19	13	25	86.1	72.1	86.6
Nevada.....	2	4	2	3	2	6	70.3	71.3	73.9
Pacific	135	252	154	225	137	322	89.3	73.2	81.9
Washington.....	36	64	42	60	39	83	89.2	78.3	84.3
Oregon.....	32	54	36	49	34	76	89.8	80.2	86.3
California.....	64	126	72	110	62	158	89.9	68.4	78.1
Alaska.....	(Z)	1	(Z)	(Z)	(Z)	1	55.0	74.1	82.5
Hawaii.....	3	7	4	6	2	4	79.9	47.8	86.6

NA Not available. Z Less than 500.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1959*, Vol. II and 1964, Vol. II.

No. 922. FARM EXPENDITURES—SELECTED ITEMS, 1949 TO 1964, AND BY STATES, 1964

[Expenditures in millions of dollars, except average per farm. Prior to 1959, excludes Alaska and Hawaii. For composition of regions, see fig. I, p. xii]

YEAR AND STATE	FARMS REPORTING		SPECIFIED EXPENDITURES								
	Number (1,000)	Percent of all farms	Total	Average per farm reporting	Livestock and poultry		Seeds, bulbs, and plants	Gasoline and other petroleum fuel and oil ¹	Hired labor ²	Machine hire and contract work	Fertilizer and fertilizer materials
					Feed	Purchase					
1949.....	4,782	88.9	10,121	\$2,278	3,024	2,390	543	1,134	2,418	612	(NA)
1954.....	4,698	98.2	8,190	1,743	3,906	(NA)	(NA)	1,366	2,279	638	(NA)
1959.....	3,671	99.0	14,085	3,836	4,755	3,857	492	1,554	2,621	805	(NA)
1964											
U.S.....	3,155	99.9	17,577	5,571	5,512	4,177	661	1,787	2,799	870	1,772
North.....	1,478	99.9	8,322	5,628	2,715	2,310	366	939	857	303	833
South.....	1,371	99.9	5,402	3,940	1,758	912	197	563	960	315	695
West.....	305	99.9	3,853	12,624	1,039	956	97	284	981	252	244
N.E.....	42	99.7	366	8,747	178	35	12	23	93	4	23
Maine.....	13	99.8	111	8,673	56	13	4	6	22	1	10
N.H.....	5	99.1	29	6,245	17	3	1	2	6	(Z)	1
Vt.....	9	99.8	58	6,287	33	5	1	4	10	1	3
Mass.....	8	100.0	76	9,449	31	6	3	5	26	1	4
R.I.....	1	100.0	11	9,721	5	1	1	1	3	(Z)	1
Conn.....	6	99.7	81	13,452	36	7	3	5	26	1	4
M.A.....	160	99.9	971	6,060	413	120	45	81	203	24	82
N.Y.....	66	99.9	422	6,346	187	39	21	36	92	11	34
N.J.....	11	99.8	129	12,107	46	12	7	9	41	2	12
Pa.....	83	99.9	420	5,057	180	69	17	36	70	11	36
E.N.C.....	573	100.0	2,578	4,495	771	543	140	329	293	104	400
Ohio.....	120	100.0	469	3,896	138	96	25	57	61	17	75
Ind.....	108	99.9	511	4,727	165	106	24	58	43	19	95
Ill.....	133	100.0	872	6,567	231	233	47	112	77	35	136
Mich.....	93	99.9	320	3,425	75	53	21	42	60	16	54
Wis.....	119	100.0	406	3,414	162	55	23	60	52	17	39
W.N.C.....	703	100.0	4,408	6,268	1,351	1,615	171	506	268	170	328
Minn.....	131	100.0	603	4,601	207	149	36	88	44	24	55
Iowa.....	154	100.0	1,308	8,487	444	526	48	107	58	37	88
Mo.....	147	99.9	563	3,823	200	135	24	61	46	28	68
N. Dak.....	49	100.0	197	4,040	26	44	17	56	25	13	17
S. Dak.....	50	100.0	314	6,326	85	121	14	51	20	15	9
Nebr.....	80	100.0	797	9,949	230	372	18	71	37	23	46
Kans.....	92	100.0	626	6,778	159	268	14	72	38	30	45
S.A.....	466	99.9	2,155	4,605	702	267	75	198	436	121	356
Del.....	4	100.0	75	17,018	43	12	2	4	7	1	6
Md.....	21	100.0	166	7,981	75	26	5	12	25	4	19
Va.....	80	99.9	238	2,965	77	37	10	24	46	9	36
W. Va.....	34	99.8	55	1,592	23	10	2	5	10	1	4
N.C.....	148	99.9	479	3,237	147	50	15	65	94	20	89
S.C.....	56	99.8	166	2,950	34	13	6	23	39	7	43
Ga.....	83	99.8	499	5,990	213	79	18	38	59	17	74
Fla.....	40	99.6	477	11,807	90	40	17	27	156	62	85
E.S.C.....	467	99.9	1,134	2,426	396	180	44	115	178	57	164
Ky.....	133	99.9	239	1,799	66	44	10	28	40	12	39
Tenn.....	133	99.9	243	1,821	76	40	12	27	36	15	37
Ala.....	92	99.9	325	3,519	139	53	11	24	39	12	47
Miss.....	109	99.8	327	3,002	115	43	11	36	63	18	41
W.S.C.....	436	99.9	2,114	4,851	658	463	79	249	347	136	177
Ark.....	80	99.9	407	5,101	164	62	17	45	65	20	33
La.....	62	99.9	187	2,996	53	18	9	25	46	11	24
Okla.....	89	99.8	338	3,818	102	106	11	36	33	24	24
Tex.....	205	99.9	1,182	5,765	339	277	42	143	203	81	96
Mt.....	134	99.9	1,367	10,199	345	479	32	141	233	63	74
Mont.....	27	100.0	166	6,138	28	56	4	31	29	9	8
Idaho.....	30	99.9	220	7,429	47	62	11	26	39	13	22
Wyo.....	9	100.0	76	8,397	14	28	1	10	16	3	3
Colo.....	30	99.9	402	13,499	114	180	7	31	45	13	12
N. Mex.....	14	99.9	122	8,573	34	36	2	14	25	4	7
Ariz.....	6	99.9	258	39,899	67	78	5	17	58	16	18
Utah.....	16	99.8	94	6,001	35	29	2	9	14	3	3
Nev.....	2	100.0	29	13,336	6	10	(Z)	3	7	2	1
Pac.....	172	99.9	2,487	14,522	694	477	64	142	747	187	169
Wash.....	46	99.9	304	6,668	82	66	10	27	77	12	28
Oreg.....	40	99.9	209	5,252	55	40	8	20	55	10	20
Calif.....	81	99.8	1,875	23,224	542	367	46	89	557	162	110
Alaska.....	(Z)	99.7	3	7,499	1	(Z)	(Z)	(Z)	1	(Z)	(Z)
Hawaii.....	5	99.7	96	19,863	14	4	(Z)	6	57	3	11

NA Not available. Z Less than \$500,000. ¹ For farm business.

² Cash payments for farm labor; excludes housework.

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1959, and 1964*, Vol. II.

No. 923. GROSS FARM PRODUCT IN CURRENT AND CONSTANT DOLLARS—SUMMARY: 1929 TO 1968

[In billions of dollars. Prior to 1960, excludes Alaska and Hawaii. For definition of national income and current and constant dollars, see text, pp. 307-309]

ITEM	1929	1930	1933	1935	1940	1945	1950
CURRENT DOLLARS							
Total value of farm output	13.8	11.2	6.8	9.8	10.6	24.6	32.8
Cash receipts from farm marketings and CCC loans.....	11.3	9.1	5.3	7.1	8.4	21.7	28.5
Farm products consumed directly in farm households.....	1.7	1.6	1.0	1.3	1.2	2.4	2.1
Change in farm inventories.....	-1	-3	-2	7	.3	-4	.8
Gross rental value of farm homes.....	.9	.9	.6	.7	.7	1.1	1.5
Less: Value of intermediate products consumed.....	4.1	3.5	2.2	2.8	4.1	8.7	12.7
Plus: Other items.....	(-Z)	(-Z)	(-Z)	(-Z)	(-Z)	-1	-1
Equals: Gross farm product	9.7	7.7	4.6	7.0	6.5	15.9	20.0
Less: Capital consumption allowances.....	.9	.9	.6	.6	.7	1.2	2.5
Indirect business taxes.....	.5	.5	.4	.4	.4	.5	.8
Plus: Government payments to farm landlords.....	-	-	.1	.5	.6	.7	.2
Equals: National income originating in farming	8.3	6.2	3.7	6.5	6.0	14.8	16.9
CONSTANT (1958) DOLLARS							
Total value of farm output	23.8	22.5	23.4	22.5	26.2	29.8	32.5
Cash receipts from farm marketings and CCC loans.....	19.6	18.4	19.4	19.9	21.2	26.5	27.9
Farm products consumed directly in farm households.....	2.7	2.7	3.1	2.8	2.9	2.7	2.3
Change in farm inventories.....	-	-2	-5	1.4	.7	-9	.8
Gross rental value of farm homes.....	1.5	1.5	1.4	1.4	1.4	1.4	1.6
Less: Value of intermediate products consumed.....	6.8	6.3	5.8	5.9	8.7	11.6	13.0
Plus: Other items.....	-1	-	-	-	-1	-1	-1
Equals: Gross farm product	17.0	16.1	17.5	16.5	17.5	18.1	19.4
CURRENT DOLLARS							
Total value of farm output	33.1	37.6	39.4	43.5	46.4	46.4	47.6
Cash receipts from farm marketings and CCC loans.....	29.2	34.1	36.8	39.4	43.4	42.6	44.4
Farm products consumed directly in farm households.....	1.7	1.2	.9	.8	.8	.7	.7
Change in farm inventories.....	.5	.2	-6	1.0	-2	.6	-1
Gross rental value of farm homes.....	1.7	2.0	2.2	2.3	2.4	2.5	2.6
Less: Value of intermediate products consumed.....	14.2	17.0	18.7	19.6	21.3	21.8	22.4
Plus: Other items.....	-1	-1	-1	-2	-2	-2	-2
Equals: Gross farm product	18.8	20.5	20.6	23.7	24.9	24.4	24.9
Less: Capital consumption allowances.....	3.5	4.0	4.4	4.7	5.0	5.4	5.8
Indirect business taxes.....	1.0	1.2	1.5	1.6	1.7	1.9	2.0
Plus: Government payments to farm landlords.....	.2	.6	1.9	2.2	3.0	2.8	3.1
Equals: National income originating in farming	14.5	15.9	16.7	19.6	21.2	19.9	20.2
CONSTANT (1958) DOLLARS							
Total value of farm output	35.7	39.2	41.2	43.3	42.9	44.9	45.1
Cash receipts from farm marketings and CCC loans.....	31.6	35.8	38.9	39.7	40.5	41.8	42.8
Farm products consumed directly in farm households.....	1.8	1.3	1.0	.8	.7	.7	.6
Change in farm inventories.....	.4	.2	-6	.9	-2	.6	-1
Gross rental value of farm homes.....	1.8	1.9	1.9	1.9	1.9	1.8	1.8
Less: Value of intermediate products consumed.....	14.6	17.2	18.8	19.4	20.3	21.0	21.6
Plus: Other items.....	-1	-1	-1	-2	-2	-2	-2
Equals: Gross farm product	20.9	21.9	22.3	23.7	22.4	23.7	23.3

- Represents zero. Z Less than \$50 million.

Source: Dept. of Commerce, Office of Business Economics; *The National Income and Product Accounts of the United States, 1929-1965* and *Survey of Current Business*, July 1969.

No. 924. LAND AND LIVESTOCK PRODUCTIVITY INDEXES: 1940 TO 1968

[1957-59=100. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1957*, series K 102-103, for indexes on a 1947-49 base]

YEAR	Cropland used ¹	Crop production per acre	Animal units of breeding livestock ²	Production per animal unit ²	YEAR	Cropland used ¹	Crop production per acre	Animal units of breeding livestock ²	Production per animal unit ²
1940.....	103	76	95	75	1965.....	94	122	100	111
1950.....	106	84	102	86	1966.....	93	119	97	118
1955.....	106	91	106	93	1967 (prel.).....	96	122	98	119
1960.....	99	109	97	105	1968 (prel.).....	94	127	(³)	(³)

¹ Harvested acreages plus acreages of crop failure and summer fallow. ² Excludes horses and mules.

³ No longer calculated.

Source: Dept. of Agriculture, Economic Research Service; annual report, *Changes in Farm Production and Efficiency*. In annual report, *Agricultural Statistics*.

No. 925. FARM OUTPUT INDEXES AND ACREAGE OF 59 CROPS: 1940 TO 1968

[Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1957*, series K 190-194 and K 254-264, for indexes on a 1947-49 base]

ITEM	1940	1950	1955	1960	1964	1965	1966	1967	1968
INDEXES, 1957-59=100									
Farm output ¹	70	86	96	106	111	114	113	118	120
Gross production:									
Livestock and products ²	71	88	99	102	114	111	114	117	118
Meat animals.....	72	89	103	103	117	111	116	120	123
Dairy products.....	84	93	99	101	105	103	100	100	99
Poultry and eggs.....	49	78	86	104	119	124	132	138	134
Crops ³	78	89	96	108	108	115	111	117	119
Feed grains.....	66	81	86	109	95	111	110	124	118
Hay and forage.....	86	89	98	103	107	112	110	115	114
Food grains.....	69	96	83	115	114	117	118	134	141
Vegetables.....	83	96	96	102	101	108	109	110	113
Fruits and nuts.....	93	98	99	98	101	106	108	116	109
Sugar crops.....	87	94	86	102	155	138	137	137	162
Cotton.....	102	82	120	116	124	121	78	61	88
Tobacco.....	84	117	127	112	129	107	109	114	99
Oil crops.....	34	71	78	104	128	153	164	171	188
ACREAGE, 59 CROPS (million acres)									
Planted or grown.....	348	353	354	324	303	304	298	316	307
Harvested.....	332	336	332	316	290	291	288	300	294

¹ Measures annual volume of farm production available for eventual human use. Livestock and crops, as combined into total farm output, exclude value of feed other than pasture consumed, and hatching eggs, to avoid double counting of feed crops in both livestock and crop production and of hatching eggs as part of both poultry-meat and egg production.

² Includes livestock products not shown separately, except horses and mules. Livestock production consists of 3 components: Constant-dollar value of pasture consumed, other feed consumed, and product-added in converting feed and pasture into livestock and products for human use. See footnote 1.

³ Total constant dollar value of all crop production regardless of its final disposition. Includes production of hay seeds, pasture seeds, cover-crop seeds, and some miscellaneous crop production not shown.

Source: Dept. of Agriculture, Economic Research Service; annual report, *Changes in Farm Production and Efficiency*; and Statistical Reporting Service. In annual reports, *Agricultural Statistics* and *Crop Production*.

No. 926. FARM LABOR—MAN-HOURS AND INDEX OF FARM OUTPUT: 1940 TO 1968

[Man-hours in billions; index, 1957-59=100. Excludes Alaska and Hawaii. See *Historical Statistics, Colonial Times to 1957*, series W 48-50, for indexes on a 1947-49 base]

ITEM	1940	1950	1955	1960	1964	1965	1966	1967 (prel.)	1968 (prel.)
Man-hours of labor required on farms ¹									
All productive livestock.....	20.5	15.1	12.8	9.8	8.3	7.9	7.5	7.4	7.2
All crops.....	6.1	5.5	4.9	3.8	3.2	3.0	2.8	2.7	2.7
Farm maintenance ²	10.4	6.9	6.0	4.6	4.0	3.8	3.6	3.6	3.5
Farm maintenance ²	4.0	2.7	1.9	1.4	1.1	1.1	1.1	1.1	1.0
Index of farm output per man-hour ³									
All livestock and products.....	36	61	80	115	142	154	159	169	179
Meat animals.....	50	68	85	113	152	159	170	183	187
Milk cows.....	76	84	94	108	134	139	145	152	154
Poultry.....	48	67	82	116	154	163	175	192	194
Poultry.....	34	48	72	124	183	197	213	226	227
All crops.....	37	63	77	114	132	146	150	155	169
Feed grains.....	22	49	67	125	170	198	200	218	227
Hay and forage.....	39	73	83	112	123	127	129	131	144
Food grains.....	27	53	67	125	131	134	139	133	147
Vegetables.....	47	69	85	107	115	120	120	120	124
Fruits and nuts.....	71	88	103	99	101	105	108	109	119
Sugar crops.....	38	55	77	113	129	128	132	133	133
Cotton.....	35	53	81	116	180	209	211	214	280
Tobacco.....	71	82	94	108	124	118	121	125	122
Oil crops.....	23	61	76	109	116	130	132	131	140

¹ Man-equivalent hours; represents overhead, and time used by average adult males in performing farm operations on crops and livestock.

² Includes work on horses and mules.

³ Index of farm output (production) divided by index of man-hours used.

Source: Dept. of Agriculture, Economic Research Service; annual report, *Changes in Farm Production and Efficiency*. In annual report, *Agricultural Statistics*.

No. 927. FARM LABOR—MAN-HOURS PER UNIT OF PRODUCTION, SELECTED CROPS AND LIVESTOCK: 1935-39 TO 1964-67

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 87, K 92, and K 97]

ITEM	1935-39	1945-49	1955-59	1963-67 ¹	ITEM	1935-39	1945-49	1955-59	1963-67 ¹
CROPS					LIVESTOCK				
Corn for grain:					Milk cows:				
Man-hours per acre ² ..	28.1	19.2	9.9	6.1	Man-hours per cow....	148	129	109	84
Yield.....bushels..	26.1	36.1	48.7	71.1	Milk per cow.....lb.	4,401	4,992	6,307	8,260
Man-hours per 100 bushels.....	108	53	20	9	Man-hours per cwt. of milk.....	3.4	2.6	1.7	1.0
Wheat:					Cattle other than milk cows:				
Man-hours per acre ² ..	8.8	5.7	3.8	2.9	Man-hours per cwt. of beef produced ⁴ ..	4.2	4.0	3.2	2.3
Yield.....bushels..	13.2	16.9	22.3	25.9	Hogs: Man-hours per cwt. produced ⁴ ..	3.2	3.0	2.4	1.6
Man-hours per 100 bushels.....	67	34	17	11	Chickens (laying flocks and eggs):				
Hay:					Man-hours per 100 layers.....	221	240	175	107
Man-hours per acre ² ..	11.3	8.4	6.0	5.5	Rate of lay.....	129	161	200	217
Yield.....short tons..	1.24	1.35	1.61	1.84	Man-hours per 100 eggs produced.....	1.7	1.5	0.9	0.5
Man-hours per short ton.....	9.1	6.2	3.7	3.0	Chickens (farm raised):				
Potatoes:					Man-hours per 100 birds.....	30	29	23	14
Man-hours per acre ² ..	69.7	68.5	53.1	45.9	Man-hours per cwt. produced ⁴ ..	9.0	7.7	6.7	3.8
Yield.....cwt.....	70.3	117.8	178.1	205.2	Chickens (broilers):				
Man-hours per short ton.....	20	12	6	4	Man-hours per 100 birds.....	25	16	4	2
Cotton:					Man-hours per cwt. produced ⁴ ..	8.5	5.1	1.3	0.6
Man-hours per acre ² ..	99	83	66	38	Turkeys: Man-hours per cwt. produced ⁴ ..	23.7	13.1	4.4	1.6
Yield.....pounds..	226	273	428	505					
Man-hours per bale.....	209	146	74	36					
Tobacco:									
Man-hours per acre ² ..	415	460	475	498					
Yield.....pounds..	886	1,176	1,541	1,991					
Man-hours per 100 pounds.....	47	39	31	25					

¹ Preliminary. ² Man-hours per acre harvested, including preharvest work on acreages abandoned, grazed, and turned under. ³ Per acre planted and harvested.

⁴ Production includes beef produced as a byproduct of the milk cow enterprise.

⁵ Liveweight production.

Source: Dept. of Agriculture, Economic Research Service. In annual report, *Agricultural Statistics*.

No. 928. SUPPLY AND UTILIZATION OF FARM COMMODITIES: 1947 TO 1968

[Percent distribution. Prior to 1960, excludes Alaska and Hawaii, except imports and exports include Alaska, Hawaii, and Puerto Rico for all years. "Net" means that commodities used for feed and seed are excluded to avoid double counting. See *Historical Statistics, Colonial Times to 1957*, series K 104-115, for related data]

ITEM	1947-1949	1957-1959	1950	1955	1960	1964	1965	1966	1967	1968 (prel.)
Supply	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Net production ¹	91.4	90.2	87.3	93.0	91.1	86.5	90.7	85.0	89.8	89.2
Net imports.....	11.5	11.6	12.4	11.0	11.1	10.5	10.7	11.3	11.1	11.9
Stock change ²	-2.9	-1.8	+0.3	-4.0	-2.2	+3.0	-1.4	+3.7	-0.9	-1.1
Net utilization	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Domestic use.....	91.6	88.3	91.1	90.7	86.4	84.3	85.6	85.1	86.3	86.6
Food:										
Civilian.....	75.1	76.0	75.2	77.1	74.7	72.9	73.5	72.9	74.8	75.1
Military.....	3.3	1.4	1.7	1.7	1.2	1.4	1.5	1.6	1.7	1.6
Net nonfood ³	13.2	10.9	14.2	11.9	10.5	10.0	10.6	10.6	9.8	9.9
Exports and shipments.....	8.4	11.7	8.9	9.3	13.6	15.7	14.4	14.9	13.7	13.4

¹ Meat production includes carcass weight of commercial and farm slaughter; excludes change in live animal inventory. ² Includes farm and commercial stocks and holdings under Government programs. Minus sign (-) indicates increase in stocks from beginning to end of year; plus sign (+) indicates withdrawals from stocks.

³ Includes civilian feeding in areas occupied by our Armed Forces.

⁴ Includes some waste and loss at farm level.

Source: Dept. of Agriculture, Economic Research Service; *The National Food Situation*.

NO. 929. SELECTED AGRICULTURAL PRODUCTS—U.S. AND WORLD PRODUCTION AND EXPORTS: 1968

[Cotton, soybean, and grain production for crop year; other commodities and all export data for calendar year and partially estimated, except as indicated. U.S. data exclude Alaska, Hawaii, and Puerto Rico, except for exports]

COMMODITY	Unit	PRODUCTION			EXPORTS		
		U.S.	World		U.S.	World	
			Total	Percent U.S.		Total	Percent U.S.
Wheat.....	Million bushels.....	1,570	11,210	14.0	¹ 698	¹ 1,758	39.7
Corn for grain.....	Million bushels.....	4,375	9,209	47.5	¹ 591	¹ 1,090	54.2
Soybeans.....	Million bushels.....	1,080	1,432	75.4	294	318	92.5
Rice ²	1,000 metric tons.....	4,777	181,000	2.6	³ 2,493	³ 9,739	25.6
Lard.....	Million pounds.....	2,059	7,840	26.3	172	700	24.6
Tallow and greases.....	Million pounds.....	5,290	9,140	57.9	2,248	3,640	61.8
Tobacco ⁴	Million pounds.....	1,716	9,922	17.3	599	1,745	34.3
Edible vegetable oils ⁵	1,000 short tons.....	⁶ 5,729	23,770	24.1	⁷ 2,215	⁸ 7,723	28.7
Cotton.....	1,000 bales ⁹	10,822	51,760	20.9	3,000	16,711	18.0

¹ Fiscal year 1967-68.

² Rough basis. Excludes data for Communist Asia.

³ Calendar year 1967.

⁴ Unmanufactured.

⁵ Includes palm oils.

⁶ Includes oil equivalent of exported oilseeds.

⁷ Excludes reexports and exports of oil produced from imported raw materials.

⁸ Exports from producing countries.

⁹ Bales of 480 pounds, net weight.

Source: Dept. of Agriculture, Foreign Agricultural Service. Appears irregularly in *World Agriculture Production and Trade*.

NO. 930. AGRICULTURAL EXPORTS AND IMPORTS—VALUE: 1942 TO 1968

[In millions of dollars, except percent. For years ending June 30. Includes Puerto Rico. Excludes forest products and distilled liquors; includes crude rubber and similar gums (now mainly plantation products)]

YEARLY AVERAGE	EXPORTS		IMPORTS		YEAR	EXPORTS		IMPORTS	
	Total (domestic products)	Percent of all	Total	Percent of all		Total (domestic products)	Percent of all	Total	Percent of all
1942-1946.....	1,976	19	1,645	46	1955.....	3,144	21	3,781	36
1947-1951.....	3,468	28	3,378	46	1960.....	4,517	24	4,010	26
1952-1956.....	3,290	21	4,209	39	1965.....	6,097	23	3,986	20
1957-1961.....	4,383	23	3,878	28	1967.....	6,771	22	4,453	17
1962-1966.....	5,812	24	4,770	22	1968 (prel.).....	6,313	20	4,656	16

Source: Dept. of Agriculture, Economic Research Service. In annual report, *Agricultural Statistics*.

NO. 931. PRINCIPAL AGRICULTURAL EXPORTS—VALUE: 1941 TO 1968

[In millions of dollars. Includes Puerto Rico. Excludes reexports of foreign products. Includes shipments under foreign aid programs. Prior to 1948, excludes civilian supply shipments]

ITEM	1941-1945, avg.	1946-1950, avg.	1951-1955, avg.	1956-1960, avg.	1961-1965, avg.	1965	1967	1968
Agricultural exports.....	1,654	3,223	3,314	4,264	5,644	6,229	6,380	6,228
Meats and meat products.....	373	114	59	104	162	170	158	169
Eggs and dairy products.....	377	270	117	130	146	192	117	141
Animal fats and oils.....	109	109	172	182	195	224	176	149
Hides and skins.....	1	10	87	64	89	109	127	122
Bread grains and preparations.....	113	896	700	821	1,268	1,214	1,253	1,142
Coarse grains and preparations, exc. rice....	31	225	324	478	841	1,162	1,094	958
Rice.....	30	83	119	117	178	244	316	342
Fodders and feeds.....	4	19	34	65	179	278	331	378
Vegetables and preparations.....	59	73	83	115	134	151	157	163
Fruits and preparations.....	84	128	151	245	285	312	309	275
Vegetable oils, fats and waxes, oilseeds, nuts and preparations.....	46	145	254	499	774	1,029	1,057	1,054
Tobacco, unmanufactured.....	138	268	315	355	393	383	498	524
Cotton, unmanufactured.....	152	674	761	778	639	495	470	456
All other.....	140	203	191	312	362	265	317	345

Source: Dept. of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States; Quarterly Summary of Foreign Commerce of the United States; FT410, U.S. Exports, Schedule B, Commodity and Country*, and unpublished data.

No. 932. AGRICULTURAL EXPORTS UNDER SPECIFIED GOVERNMENT-FINANCED PROGRAMS—VALUE, BY PROGRAM: 1955 TO 1968

[In millions of dollars. For years ending June 30. Includes Puerto Rico]

ITEM	1955-68 total	1955-63	1964	1965	1966	1967	1968
Agricultural exports ¹	70,698	38,773	6,068	6,097	6,676	6,771	6,313
Outside Government programs ²	50,325	26,408	4,550	4,400	5,060	5,196	4,711
Under Government programs ¹	20,373	12,365	1,518	1,697	1,616	1,575	1,602
Public Law 480.....	18,150	10,288	1,494	1,671	1,574	1,538	1,585
Sales for foreign currency.....	11,347	6,697	1,064	1,144	906	797	739
Long-term credit sales.....	925	76	48	157	173	178	293
Government-to-Government donations.....	972	537	81	57	87	110	100
Donations through voluntary relief agencies.....	2,232	1,371	189	183	180	157	152
Barter.....	2,674	1,607	112	130	228	296	301
Mutual Security (Act for International Development) ³	2,223	2,077	24	26	42	37	17

¹ Sources of values for Government-financed programs are different from those for total exports; therefore, not fully comparable in regard to valuation, shipping period, etc. Entries for "outside Government programs" are the residuals of the other 2 series. ² Exports outside specified Government-financed programs include, in addition to unassisted commercial transactions, shipments of some commodities with governmental assistance in the form of (a) short-term credits extended by the Commodity Credit Corporation and the Export-Import Bank, (b) sales of Government-owned commodities below domestic market prices, and (c) export payments in cash or in kind.

³ Sales for foreign currency, economic aid, and expenditures under development loans.

Source: Dept. of Agriculture, Economic Research Service. In annual report, *Agricultural Statistics*, and monthly report, *Foreign Agricultural Trade of the United States*.

No. 933. AGRICULTURAL EXPORTS UNDER SPECIFIED GOVERNMENT-FINANCED PROGRAMS—VALUE, BY COMMODITIES: 1965 TO 1968

[In millions of dollars. For years ending June 30. Includes Puerto Rico. Total exports include food for relief and charity. See table 932 for programs covered]

COMMODITY	1965		1966		1967		1968	
	Total	Under specified programs ¹	Total	Under specified programs ¹	Total	Under specified programs ¹	Total	Under specified programs ¹
Total	6,096.8	1,696.9	6,676.4	1,615.9	6,771.3	1,574.8	6,312.5	1,602.5
Wheat.....	1,097.6	886.1	1,273.4	837.9	1,181.0	575.6	1,192.5	704.6
Wheat flour.....	142.6	104.6	128.9	99.2	130.8	70.1	85.0	62.5
Corn.....	726.7	54.7	931.1	49.0	728.3	67.7	736.4	50.9
Grain sorghums.....	145.0	12.6	204.3	64.2	358.3	135.8	224.1	68.0
Barley.....	65.7	8.8	93.9	.4	54.0	3.6	36.6	-
Cornmeal.....	18.9	15.7	16.3	13.4	20.7	15.4	16.6	12.1
Rice, milled.....	202.6	68.8	220.1	60.0	305.4	131.3	337.1	137.0
Cotton.....	583.9	165.0	385.8	123.6	542.3	164.9	474.8	174.7
Tobacco, unmanufactured.....	395.3	35.4	394.7	89.9	549.7	106.9	493.6	105.2
Soybeans.....	598.0	2.2	734.4	.2	780.0	.1	750.7	-
Soybean oil.....	183.6	122.7	140.0	105.7	145.8	126.9	117.2	112.0
Cottonseed oil.....	84.2	39.3	50.2	29.6	11.4	5.6	7.5	3.5
Tallow, edible and inedible.....	176.3	29.6	161.1	11.3	156.0	22.7	127.4	20.1
Milk, evap., condensed.....	21.0	16.2	23.4	18.4	23.7	19.0	10.1	5.3
Milk, whole, dried.....	6.5	1.6	6.7	1.3	4.2	1.0	2.6	.1
Milk, nonfat, dried.....	102.7	63.1	111.2	68.8	68.5	64.2	66.2	64.1
Butter.....	51.2	3.2	2.4	1.0	.3	-	2.3	17.5
Anhydrous milkfat.....	24.1	17.5	8.6	1.3	3.1	-	11.9	-
Infants' and dietetic foods.....	10.3	.9	12.0	2.7	26.2	18.6	31.8	23.3
Poultry, fresh or frozen.....	49.7	.9	53.3	-	43.5	-	41.3	-
Hides and skins.....	99.6	2.3	139.0	3.1	146.9	5.4	111.2	1.8
Beans, dry edible.....	25.6	4.5	24.2	1.5	30.3	.4	23.3	2.7
Other.....	1,285.7	41.2	1,471.4	33.4	1,460.9	39.7	1,412.3	37.1

- Represents zero.

¹ Sources of values for specified Government-financed programs are different from those for total exports; therefore, not fully comparable in regard to valuation, shipping period, etc.

Source: Dept. of Agriculture, Economic Research Service. In annual report, *Agricultural Statistics*, and monthly report, *Foreign Agricultural Trade of the United States*.

No. 934. CROPS—ACREAGE, PRODUCTION, AND VALUE: 1959 AND 1964

CROP	ACREAGE (1,000)		PRODUCTION (1,000 units)			VALUE (mil. dol.)	
	1959	1964	Unit	1959	1964	1959	1964
All crops harvested	316,259	291,640	(X)	(X)	(X)	18,846	21,753
All field crops ¹	308,187	283,619	(X)	(X)	(X)	16,084	18,378
Corn for all purposes ²	79,616	63,515	(X)	(X)	(X)	4,384	4,636
Sorghum for all purposes.....	17,927	14,966	(X)	(X)	(X)	577	680
All wheat threshed.....	49,567	47,958	Bu.....	1,055,925	1,217,792	1,872	1,672
Oats threshed.....	26,573	18,936	Bu.....	1,001,092	808,397	639	510
Barley threshed.....	14,199	9,805	Bu.....	398,312	362,198	343	338
Rye threshed.....	1,892	1,640	Bu.....	21,809	30,916	22	32
Flaxseed threshed.....	2,848	2,651	Bu.....	19,597	21,739	60	61
Rice threshed.....	1,617	1,815	Lb.....	5,440,334	7,482,412	249	369
Soybeans harvested for beans.....	22,080	29,844	Bu.....	515,628	669,665	1,018	1,780
Soybeans hogged or grazed or cut for silage.....	411	86	(X)	(X)	(NA)	8	4
Cowpeas harvested for dry peas.....	179	79	Bu.....	1,475	646	6	3
Cowpeas hogged or grazed or cut for silage.....	125	34	(X)	(NA)	(NA)	3	1
Soybeans and cowpeas cut for hay.....	434	472	Tons.....	540	628	13	17
Peanuts harvested for nuts.....	1,333	1,347	Lb.....	1,413,428	2,004,045	135	225
Peanut vines or tops saved for hay.....	327	393	Tons.....	197	248	4	5
All dry field and seed beans other than velvetbeans, soybeans, and mungbeans.....	1,414	1,338	Lb.....	1,908,734	1,765,685	138	136
All dry field and seed peas other than cowpeas and Austrian peas.....	344	300	Lb.....	499,346	497,998	20	19
All hay, excl. sorghum for hay and specified annual legumes	63,549	65,295	Tons.....	106,590	115,761	2,181	2,744
Alfalfa cut for hay.....	26,107	28,211	Tons.....	59,871	68,381	1,270	1,654
Clover or timothy cut for hay.....	14,040	13,413	Tons.....	22,063	19,567	437	486
Lespedeza cut for hay.....	3,089	2,399	Tons.....	3,763	2,878	80	74
Small grains cut for hay.....	3,551	2,815	Tons.....	3,655	3,663	72	82
Wild hay cut.....	10,474	10,364	Tons.....	8,636	9,163	144	166
Other hay cut.....	5,032	6,345	Tons.....	6,209	8,628	110	197
Silage made from grass or hay crops ³	1,256	1,807	Tons.....	2,391	3,480	58	85
Alfalfa seed harvested.....	673	675	Lb.....	108,737	131,136	31	40
Red clover seed harvested.....	1,141	822	Lb.....	88,393	78,935	23	19
Lespedeza seed harvested.....	422	251	Lb.....	94,706	49,276	9	7
Cotton harvested (lint).....	14,649	13,917	Bales.....	13,914	14,734	2,120	⁴ 2,390
Cottonseed.....	(X)	(X)	Tons.....	5,745	(NA)	222	(⁴)
Tobacco harvested.....	1,108	1,025	Lb.....	1,646,513	1,987,527	948	1,168
Sugarcane cut for sugar.....	408	643	Tons.....	16,568	24,614	121	201
Sugarcane or cane for sirup.....	15	7	Gal.....	3,070	1,985	4	3
Sugar beets harvested for sugar.....	912	1,376	Tons.....	16,822	23,202	187	277
Hops harvested.....	33	32	Lb.....	54,602	53,786	27	25
Irish potatoes harvested.....	1,200	1,174	Cwt.....	224,140	221,874	480	761
Sweetpotatoes harvested.....	218	112	Bu.....	29,386	18,405	54	52
All other.....	3,473	3,111	(X)	(X)	(X)	185	203
Vegetables harvested for sale ¹	3,491	3,334	(X)	(X)	(X)	740	987
All fruits and nuts and horticultural specialties	4,581	4,688	(X)	(X)	(X)	2,022	2,388
Strawberries.....	85	66	Lb.....	418,840	491	75	97
Other berries and small fruits.....	106	95	Lb.....	279,987	295,220	38	48
Tree fruits, nuts and grapes (excl. nurseries).....	4,120	4,251	(X)	(X)	(X)	1,295	1,538
Horticultural specialties.....	269	275	(X)	(X)	(X)	615	705

NA Not available. X Not applicable.

¹ Irish and sweet potatoes included with "Field crops," not with "Vegetables." For some crops shown, data were not available for all States; therefore, data shown are for States for which data were available.² Excludes sweet corn, popcorn, Egyptian corn, kafir, and milo maize.³ Silage crops other than corn and sorghums.⁴ Cottonseed included with lint.

Source: Dept. of Commerce, Bureau of the Census; U.S. Census of Agriculture: 1964, Vol. II.

NO. 935. PRINCIPAL CROPS—ACREAGE, PRODUCTION, AND VALUE: 1941 TO 1968

[Excludes Alaska and Hawaii. For weights of units of measure, see Appendix I. Acreage, production, and yield of all crops revised to census data. See also *Historical Statistics, Colonial Times to 1867*, series K 265-312, for acreage harvested, production, and price data for all crops listed except sorghums, peanuts, and dry beans]

ITEM	1941- 1945, avg.	1946- 1950, avg.	1951- 1955, avg.	1956- 1960, avg.	1961- 1965, avg.	1960	1965	1967	1968 (prel.)
Corn for grain:									
Acreage harvested...1,000 acres..	80,291	75,711	70,082	67,001	56,658	71,422	55,332	60,557	55,707
Production.....mil. bu..	2,653	2,808	2,814	3,442	3,758	3,907	4,084	4,760	4,375
Farm value ¹mil. dol..	(NA)	(NA)	4,187	4,074	4,243	3,929	4,732	4,940	4,601
Yield per acre.....bu..	33.1	37.0	40.2	51.2	66.3	54.7	73.8	78.6	78.5
Price ²dol. per bu..	1.03	1.56	1.49	1.11	1.13	1.00	1.16	1.04	1.05
Wheat:									
Acreage harvested...1,000 acres..	56,396	70,312	60,497	50,032	48,017	51,879	49,560	58,771	55,309
Production.....mil. bu..	985	1,185	1,077	1,178	1,214	1,355	1,316	1,522	1,570
Farm value ¹mil. dol..	1,252	2,398	2,229	2,140	2,027	2,361	1,775	2,110	1,920
Yield per acre.....bu..	17.5	16.9	17.9	23.4	25.3	26.1	26.5	25.9	28.4
Price ²dol. per bu..	1.27	2.01	2.07	1.83	1.69	1.74	1.35	1.39	1.22
Oats:									
Acreage harvested...1,000 acres..	39,350	39,409	37,872	30,598	21,162	26,588	18,479	16,017	17,361
Production.....mil. bu..	1,267	1,339	1,311	1,209	953	1,153	927	789	930
Farm value ¹mil. dol..	759	1,071	950	751	604	693	585	525	556
Yield per acre.....bu..	32.2	33.9	34.6	39.7	45.2	43.4	50.2	49.3	53.5
Price ²dol. per bu..	.60	.81	.73	.62	.63	.60	.62	.66	.69
Barley:									
Acreage harvested...1,000 acres..	13,778	10,853	10,847	14,248	11,135	13,856	9,144	9,177	9,563
Production.....mil. bu..	332	281	303	429	398	429	392	373	418
Farm value ¹mil. dol..	267	361	338	380	374	355	395	369	364
Yield per acre.....bu..	24.1	25.8	27.9	30.1	36.2	31.0	42.9	40.6	43.7
Price ²dol. per bu..	.81	1.29	1.15	.90	.95	.84	1.02	1.00	.88
Rye:									
Acreage harvested...1,000 acres..	2,800	1,791	1,678	1,657	1,655	1,688	1,469	1,071	1,007
Production.....mil. bu..	34	22	22	28	33	33	33	24	23
Farm value ¹mil. dol..	28	36	30	29	33	30	33	26	23
Yield per acre.....bu..	12.3	12.2	13.2	16.7	19.7	19.6	22.6	22.6	23.1
Price ²dol. per bu..	.91	1.63	1.37	1.93	1.01	.88	.97	1.07	.99
Sugar beets:									
Acreage harvested...1,000 acres..	705	797	743	883	1,212	957	1,248	1,122	1,417
Production.....mil. short tons..	9	11	12	15	21	16	21	19	25
Farm value ¹mil. dol..	73	125	135	178	248	190	250	260	364
Yield per acre.....short tons..	12.4	14.1	15.9	17.5	17.1	17.2	16.8	17.1	17.9
Price ²dol. per ton..	8.57	11.11	11.45	11.54	11.98	11.58	11.95	13.55	14.30
Rice, rough:									
Acreage harvested...1,000 acres..	1,424	1,718	2,106	1,501	1,742	1,595	1,793	1,970	2,353
Production.....mil. cwt..	29	37	53	49	68	55	76	89	105
Farm value ¹mil. dol..	107	185	208	233	340	248	376	444	527
Yield per acre.....lb..	2,010	2,161	2,549	3,265	3,892	3,423	4,255	4,537	4,475
Price ²dol. per cwt..	3.70	5.01	5.05	4.76	5.00	4.55	4.93	4.97	5.00
Sorghums for grain:									
Acreage harvested...1,000 acres..	6,921	7,283	8,955	15,284	12,131	15,601	13,029	14,999	13,971
Production.....mil. bu..	123	143	170	506	548	620	673	756	739
Farm value ¹mil. dol..	111	180	209	471	549	515	608	745	687
Yield per acre.....bu..	17.7	19.2	18.7	32.4	45.0	39.7	51.6	50.4	52.9
Price ²dol. per bu..	.91	1.33	1.29	.96	1.01	.84	1.00	.99	.94
Cotton, excluding linters:									
Acreage harvested...1,000 acres..	20,619	21,421	22,678	14,290	14,617	15,309	13,615	7,997	10,175
Production.....mil. bales ³	11	12	15	13	15	14	15	7	11
Farm value ¹mil. dol..	1,111	1,975	2,565	2,022	2,312	2,154	2,106	954	1,367
Yield per acre.....lb..	262	273	326	434	491	446	527	447	511
Price ²cents per lb..	19.85	32.72	34.13	31.30	30.99	30.19	28.14	25.59	⁶ 22.1
Cottonseed:									
Production.....mil. short tons..	5	5	6	5	6	6	6	3	4
Farm value ¹mil. dol..	229	339	367	243	298	250	284	177	227
Price ²dol. per ton..	49.83	70.96	59.28	45.94	48.70	42.60	46.70	55.20	50.70

See footnotes at end of table.

No. 935. PRINCIPAL CROPS—ACREAGE, PRODUCTION, AND VALUE: 1941 TO 1968—Continued

[Excludes Alaska and Hawaii. For weights of units of measure, see Appendix I, Acreage, production, and yield of all crops revised to census data. See also *Historical Statistics, Colonial Times to 1957*, series K 265-312, for acreage harvested, production, and price data for all crops listed except sorghums, peanuts, and dry beans]

ITEM	1941- 1945, avg.	1946- 1950, avg.	1951- 1955, avg.	1956- 1960, avg.	1961- 1965, avg.	1960	1965	1967	1968 (prel.)
Hay:									
Acreage harvested...1,000 acres...	75,861	73,639	74,777	69,666	67,285	67,313	67,684	64,667	62,570
Production.....mil. short tons...	103	99	109	115	120	118	126	126	125
Farm value ¹mil. dol.	1,754	2,174	2,455	2,282	2,679	2,410	2,913	2,897	2,806
Yield per acre.....short tons...	1.36	1.35	1.46	1.66	1.78	1.76	1.85	1.95	2.00
Price ²dol. per ton...	16.94	21.90	22.50	20.90	22.80	21.70	23.20	24.40	23.20
Beans, dry, edible:³									
Acreage harvested...1,000 acres...	1,958	1,747	1,414	1,451	1,414	1,400	1,484	1,211	1,453
Production.....mil. cwt.	16	17	16	18	18	17	16	15	18
Farm value ¹mil. dol.	92	147	128	123	134	124	143	141	143
Yield per acre.....lb.	897	970	1,146	1,215	1,296	1,244	1,109	1,253	1,217
Price ²dol. per cwt.	5.72	8.81	7.96	6.97	7.58	7.14	8.68	9.25	8.99
Soybeans, for beans:									
Acreage harvested...1,000 acres...	9,433	11,263	15,709	22,351	29,694	23,655	34,449	39,767	40,659
Production.....mil. bu.	174	230	313	320	719	555	846	976	1,080
Farm value ¹mil. dol.	322	581	798	1,075	1,770	1,185	2,151	2,433	2,617
Yield per acre.....bu.	18.4	20.4	20.0	23.2	24.2	23.5	24.5	24.5	26.6
Price ²dol. per bu.	1.85	2.56	2.57	2.07	2.46	2.13	2.54	2.49	2.42
Peanuts, harvested for nuts:									
Acreage harvested...1,000 acres...	3,002	2,877	1,559	1,442	1,406	1,395	1,435	1,402	1,440
Production.....mil. lb.	1,993	2,091	1,429	1,620	1,960	1,718	2,384	2,473	2,528
Farm value ¹mil. dol.	139	213	160	168	219	172	272	283	300
Yield per acre.....lb.	664	742	894	1,124	1,393	1,232	1,661	1,765	1,756
Price ²dol. per lb.	.07	.10	.11	.10	.11	.10	.11	.11	.12
Irish potatoes:									
Acreage harvested...1,000 acres...	2,809	1,992	1,420	1,378	1,361	1,386	1,384	1,458	1,377
Production.....mil. cwt.	238	259	217	252	272	257	291	305	263
Farm value ¹mil. dol.	489	564	479	476	580	514	731	564	609
Yield per acre.....cwt.	85	132	153	183	200	184	207	209	213
Price ²dol. per cwt.	2.02	2.18	2.25	1.90	21.7	2.00	2.54	1.86	2.09
Tobacco:									
Acreage harvested...1,000 acres...	1,542	1,718	1,670	1,172	1,126	1,142	977	960	885
Production.....mil. lb.	1,604	2,080	2,217	1,864	2,160	1,944	1,855	1,968	1,716
Farm value ¹mil. dol.	618	974	1,141	1,075	1,311	1,184	1,207	1,316	1,195
Yield per acre.....lb.	1,040	1,215	1,331	1,591	1,921	1,703	1,898	2,050	1,940
Price ²dol. per lb.	.39	.47	.51	.58	.61	.61	.65	.67	.70

NA Not available.

¹ Values are based on season average prices; see footnote 2.

² Season average price received by farmers. State prices weighted by production to obtain U.S. price prior to 1958, but weighted by sales beginning 1958. For certain years, prices for wheat, rye, rice, corn for grain, grain sorghums, oats, barley, dry edible beans, soybeans, flaxseed, cotton and cottonseed include an allowance for unredeemed loans and purchase agreement deliveries. See also notes on prices for each crop.

³ Based on reported price of grain sorghums.

⁴ State production figures, which conform with Bureau of the Census annual ginning enumeration with allowance for cross-State ginnings, rounded to thousands and added for U.S. totals.

⁵ Bales of 500 pounds, gross weight.

⁶ Average price to April 1, 1969.

⁷ Prices are for hay sold baled.

⁸ Cleaned basis.

⁹ Includes some quantities not harvested and/or not marketed on account of economic conditions.

Source: Dept. of Agriculture, Statistical Reporting Service. In annual report, *Agricultural Statistics*, and annual summaries, *Crop Production and Crop Values*.

No. 936. PRINCIPAL CROPS—ACREAGE AND VALUE, 1967 AND 1968, AND ORDER OF VALUE, 1968, BY STATES

[Acreage covers 59 major field crops and vegetables; value covers 78 major field crops, vegetables, fruits, and nuts]

STATE	HARVESTED ACRE- AGE OF 59 CROPS (1,000)		FARM VALUE OF 78 CROPS (mil. dol.)		Crops in order of value, 1968
	1967	1968 (prel.)	1967	1968 (prel.)	
United States ¹	300,446	293,900	21,921	22,413	Corn, hay, soybeans, wheat.
New England:					
Maine.....	552	544	71	84	Potatoes, hay, apples, sugar beets.
New Hampshire.....	161	151	12	11	Hay, apples, sweet corn, potatoes.
Vermont.....	652	616	31	28	Hay, apples, maple sirup, potatoes.
Massachusetts.....	207	196	46	50	Tobacco, cranberries, hay, apples.
Rhode Island.....	27	25	5	6	Potatoes, hay, tomatoes, sweet corn.
Connecticut.....	187	183	47	53	Tobacco, hay, apples, potatoes.
Middle Atlantic:					
New York.....	4,546	4,369	384	364	Hay, apples, potatoes, corn.
New Jersey.....	544	516	115	111	Tomatoes, asparagus, hay, peaches.
Pennsylvania.....	4,546	4,405	343	391	Hay, corn, potatoes, oats.
East North Central:					
Ohio.....	9,591	9,115	622	662	Corn, soybeans, hay, wheat.
Indiana.....	11,063	10,546	774	798	Corn, soybeans, hay, wheat.
Illinois.....	21,302	20,640	1,826	1,668	Corn, soybeans, hay, wheat.
Michigan.....	6,328	6,094	459	470	Potatoes, hay, dry beans, wheat.
Wisconsin.....	9,306	9,193	529	551	Hay, corn, oats, potatoes.
West North Central:					
Minnesota.....	18,625	17,610	942	970	Corn, soybeans, hay, oats.
Iowa.....	21,807	20,438	1,579	1,587	Corn, soybeans, hay, oats.
Missouri.....	11,960	11,733	647	741	Corn, soybeans, hay, wheat.
North Dakota.....	18,786	18,360	532	581	Wheat, barley, hay, oats.
South Dakota.....	14,988	14,371	421	420	Corn, hay, wheat, oats.
Nebraska.....	16,688	15,608	792	756	Corn, hay, wheat, sorghum grain.
Kansas.....	20,228	19,266	702	715	Wheat, sorghum grain, hay, corn.
South Atlantic:					
Delaware.....	527	496	46	33	Corn, soybeans, potatoes, hay.
Maryland.....	1,518	1,489	141	127	Corn, hay, tobacco, soybeans.
Virginia.....	2,725	2,679	300	289	Tobacco, hay, corn, peanuts.
West Virginia.....	743	728	53	50	Hay, apples, corn, tobacco.
North Carolina.....	4,382	4,192	859	733	Tobacco, corn, peanuts, soybeans.
South Carolina.....	2,341	2,324	288	231	Tobacco, cotton lint, soybeans, peaches.
Georgia.....	3,889	3,881	467	391	Peanuts, tobacco, corn, cotton lint.
Florida.....	1,408	1,358	685	811	Oranges, tomatoes, grapefruit, sugarcane for sugar and seed.
East South Central:					
Kentucky.....	3,784	3,732	510	501	Tobacco, hay, corn, soybeans.
Tennessee.....	3,945	4,044	297	299	Tobacco, soybeans, hay, cotton lint.
Alabama.....	2,665	2,725	192	205	Cotton lint, soybeans, peanuts, corn.
Mississippi.....	4,781	4,911	406	469	Cotton lint, soybeans, cottonseed, hay.
West South Central:					
Arkansas.....	6,843	7,104	511	566	Soybeans, cotton lint, rice, hay.
Louisiana.....	3,270	3,548	389	432	Rice, soybeans, sugarcane for sugar.
Oklahoma.....	8,945	9,069	319	342	Wheat, hay, peanuts, cotton lint.
Texas.....	19,062	20,533	1,250	1,444	Cotton lint, sorghum grain, rice, wheat.
Mountain:					
Montana.....	8,653	8,243	299	282	Wheat, hay, barley, sugar beets.
Idaho.....	3,985	3,934	359	347	Potatoes, hay, wheat, sugar beets.
Wyoming.....	1,888	1,827	76	69	Hay, sugar beets, wheat, barley.
Colorado.....	5,225	5,281	264	264	Hay, wheat, sugar beets, corn.
New Mexico.....	1,061	1,225	112	116	Hay, cotton lint, sorghum grain, wheat.
Arizona.....	1,068	1,128	265	298	Cotton lint, hay, lettuce, sorghum grain.
Utah.....	1,104	1,064	81	69	Hay, wheat, sugar beets, barley.
Nevada.....	455	392	26	21	Hay, alfalfa seed, barley, wheat.
Pacific:					
Washington.....	4,554	4,481	501	480	Wheat, apples, hay, potatoes.
Oregon.....	2,812	2,646	254	226	Hay, wheat, potatoes, pears.
California.....	6,719	6,857	2,090	2,394	Cotton lint, tomatoes, hay, grapes.

¹ Excludes Alaska and Hawaii.

Source: Dept. of Agriculture, Statistical Reporting Service; annual summaries, *Crop Production, Commercial Vegetables, Field Seeds, and Crop Values*.

No. 937. WHEAT—SUPPLY AND DISAPPEARANCE: 1941 TO 1968

[In millions of 60-pound bushels. For years beginning July 1. Excludes Alaska, Hawaii, and Puerto Rico, except for exports and imports. See *Historical Statistics, Colonial Times to 1957*, series K 272-273, for stocks on and off farms]

ITEM	1941- 1945, avg.	1946- 1950, avg.	1951- 1955, avg.	1956- 1960, avg.	1961- 1965, avg.	1965	1967	1968 (prel.)
Supply	1,468	1,410	1,739	2,273	2,346	2,134	1,948	2,108
Stocks, July 1, total.....	446	222	646	1,086	1,129	817	425	537
On farms.....	126	62	73	78	108	132	145	228
Interior mills, elevator and warehouse stocks ¹	296	157	521	920	982	674	279	308
Commodity Credit Corp. ²	24	4	53	88	39	11	1	1
New crop.....	985	1,185	1,078	1,179	1,214	1,316	1,522	1,570
Imports ³	37	3	15	8	3	1	1	1
Disappearance	1,079	1,128	966	1,111	1,392	1,599	1,419	(NA)
Food.....	478	480	474	481	4 606	4 515	4 519	4 520
Seed.....	74	88	76	62	62	62	72	60
Military procurement.....	69	117	12	7	(⁴)	(⁴)	(⁴)	(⁴)
Feed ⁵ and industry.....	359	137	75	44	62	155	57	150-200
Exports and shipments.....	98	306	328	517	4 762	4 867	4 761	4 600-625
Old-crop carryover ⁶	389	282	773	1,162	954	535	537	703-778

NA Not available. ¹ Includes "Terminal market" and "Merchant mills."

² Owned or controlled by CCC in storage or in transit to ports; other CCC wheat included in other categories.

³ Imports comprise full duty wheat, wheat imported for feed, and dutiable flour and other wheat products in terms of wheat. Compiled from reports of the Bureau of the Census.

⁴ Beginning 1961, military procurement and shipments included in "Food."

⁵ Residual figure, assumed to roughly approximate wheat used for feed.

⁶ For individual items, see "Stocks," above.

Source: Dept. of Agriculture, Economic Research Service; *Wheat Situation*.

No. 938. WHEAT AND FLOUR—U.S. DOMESTIC EXPORTS, BY COUNTRY OF DESTINATION: 1960 TO 1967

[In thousands of 60-pound bushels. For years beginning July 1]

COUNTRY OF DESTINATION	1960- 1964, avg.	1966	1967	COUNTRY OF DESTINATION	1960- 1964, avg.	1966	1967
WHEAT ¹				WHEAT ¹ —Continued			
World total	618,261	665,855	690,928	Turkey.....	20,436	18	785
Afghanistan.....	1,672	984	511	United Arab Republic.....	28,569	22,169	864
Algeria.....	8,561	27,038	10,374	United Kingdom.....	13,649	25,561	10,407
Belgium-Luxembourg.....	4,886	5,929	5,728	U.S.S.R.....	13,212		
Brazil.....	45,708	41,718	47,489	Venezuela.....	9,320	17,600	21,852
Canary Islands.....	999			Yugoslavia.....	28,272	11,617	10,422
Chile.....	4,944	11,248	4,393	Other.....	19,531	24,464	26,497
China (Taiwan).....	10,970	11,913	19,173	WHEAT FLOUR ²			
Colombia.....	4,486	5,548	4,690	World total	97,423	68,013	51,228
Dominican Republic.....	810	2,403	3,242	Algeria.....	992	617	
France.....	5,651	10,332	9,631	Bolivia.....	3,848	7,214	4,320
Germany, Fed. Rep. of.....	9,431	17,577	12,839	Ceylon.....	2,583	3,210	5,382
Guatemala.....	1,832	1,904	2,323	Chile.....	1,266	686	662
Haiti.....	1,542	1,523	906	China (Taiwan).....	1,180	149	216
India.....	145,014	149,132	206,136	Colombia.....	755	251	442
Iran.....	5,605	5,714	1	Congo (Kinshasa).....	2,079	2,823	2,423
Israel.....	8,230	8,074	8,354	Greece.....	1,887	101	35
Italy.....	13,486	7,677	7,615	Guyana.....	1,113	1,105	992
Japan.....	46,085	78,051	81,715	Italy.....	4,189	480	11
Korea, Republic of.....	17,445	27,353	30,249	Jamaica.....	857	1,048	1,010
Lebanon.....	323	1,153	2,351	Jordan.....	3,450	3,390	1,021
Morocco.....	7,753	19,273	16,119	Korea, Republic of.....	1,630	2,639	4,815
Netherlands.....	17,672	18,098	20,115	Lebanon.....	1,181	1,522	2,349
Nigeria.....	1,503	5,848	3,037	Morocco.....	2,274	2,249	1,540
Norway.....	2,119	2,680	2,617	Netherlands.....	2,070	733	490
Pakistan.....	47,619	40,286	76,387	Poland.....	862	587	4,872
Paraguay.....	1,300	1,393	1,363	Saudi Arabia.....	3,359	4,710	
Peru.....	5,038	8,268	9,079	Sudan.....	1,315	4,233	
Philippines.....	7,843	17,504	21,919	Trinidad and Tobago.....	1,305	35	1
Poland.....	23,466	5,017	858	United Arab Republic.....	29,183	11,686	34
Portugal.....	5,582	2,766		Vietnam, Rep. of.....	3,143	6,232	5,654
South Africa, Rep. of.....	1,044	12,523		Yugoslavia.....	1,862	311	45
Spain.....	12,911	669		Other.....	25,035	12,003	14,265
Sudan.....	1,203	1,826					
Switzerland.....	4,876	5,801	2,699				
Tunisia.....	7,668	7,206	8,188				

- Represents zero. ¹ Includes shipments for relief. Transshipments through Canada included in data for countries of ultimate destination. ² Grain equivalent; wholly of U.S. wheat.

Source: Dept. of Agriculture, Foreign Agricultural Service. In annual report, *Agricultural Statistics*.

No. 939. WHEAT—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1962 TO 1968

[Pounds per bushel, 60]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bushels)			PRODUCTION (mil. bushels)			PRICE (dol. per bu.)		FARM VALUE (mil. dol.)	
	1962- 1966, avg.	1967	1968 (prel.)	1962- 1966, avg.	1967	1968 (prel.)	1962- 1966, avg.	1967	1968 (prel.)	1967	1968 (prel.)	1967	1968 (prel.)
Total	47,677	58,771	55,309	25.8	25.9	28.4	1,229.9	1,522.4	1,570.4	1.39	1.22	2,110.2	1,920.2
Ala.	51	112	111	25.0	24.0	25.0	1.3	2.7	2.8	1.49	1.19	4.0	3.3
Ariz.	27	50	52	43.8	49.0	52.0	1.2	2.5	2.7	1.52	1.32	3.7	3.6
Ark.	290	661	568	29.5	28.5	25.0	8.6	18.8	14.2	1.41	1.15	26.6	18.5
Calif.	288	350	379	29.4	33.5	33.6	8.5	11.7	12.7	1.45	1.31	17.0	16.7
Colo.	1,825	1,945	1,933	16.3	19.6	20.0	30.2	38.0	38.7	1.24	1.08	47.2	41.8
Ga.	62	130	114	28.9	26.0	28.0	1.8	3.4	3.2	1.52	1.20	5.1	3.8
Idaho.	1,012	1,300	1,236	39.1	44.3	45.6	39.8	57.6	56.4	1.32	1.10	76.0	61.8
Ill.	1,676	1,845	1,476	37.0	39.0	36.0	62.0	72.0	53.1	1.39	1.19	100.0	63.2
Ind.	1,204	1,237	1,014	36.9	37.0	35.0	44.2	45.8	35.5	1.29	1.11	59.0	39.4
Kans.	9,484	11,081	9,751	22.0	20.0	25.0	208.4	221.6	243.8	1.35	1.20	299.2	292.5
Ky.	155	231	208	30.8	34.0	30.0	4.8	7.9	6.2	1.38	1.22	10.8	7.6
La.	54	100	96	24.2	26.0	22.0	1.3	2.6	2.1	1.45	1.19	3.8	2.5
Md.	129	153	132	31.1	39.0	32.0	4.0	6.0	4.2	1.23	1.07	7.3	4.5
Mich.	896	1,120	885	36.8	36.0	36.0	33.0	40.3	31.9	1.26	1.07	50.8	34.1
Minn.	843	1,052	1,018	24.7	32.1	32.9	20.8	33.8	33.5	1.52	1.34	51.4	45.1
Miss.	118	462	416	29.5	30.0	27.0	3.6	13.9	11.2	1.44	1.15	20.0	12.9
Mo.	1,219	1,682	1,278	30.6	32.0	33.0	37.5	53.8	42.2	1.41	1.19	75.9	50.2
Mont.	3,842	4,734	4,550	24.4	25.2	27.7	94.1	119.1	125.9	1.29	1.15	154.0	145.3
Nebr.	2,813	3,325	3,159	24.1	26.5	32.0	68.1	88.1	101.1	1.32	1.14	116.3	115.2
N.J.	37	50	43	34.5	39.0	35.0	1.3	2.0	1.5	1.33	1.16	2.6	1.7
N. Mex.	181	141	305	22.9	28.0	25.0	4.1	3.9	7.6	1.37	1.21	5.4	9.2
N.Y.	190	250	212	37.7	40.0	40.0	7.2	10.0	8.5	1.31	1.09	13.1	9.2
N.C.	205	239	225	27.5	31.0	39.0	5.6	7.4	8.8	1.47	1.21	10.9	10.6
N. Dak.	6,173	7,962	7,903	24.8	22.6	27.1	153.0	180.3	213.9	1.51	1.38	273.0	295.0
Ohio.	1,317	1,514	1,226	34.6	34.0	37.0	45.6	51.5	45.4	1.31	1.13	67.4	51.3
Okla.	4,196	5,217	5,321	22.4	17.0	23.0	94.9	88.7	122.4	1.47	1.25	130.3	153.0
Oreg.	769	1,045	982	35.2	31.5	30.7	27.0	33.0	30.2	1.42	1.28	46.8	38.6
Pa.	441	480	394	32.4	36.0	32.0	14.2	17.3	12.6	1.31	1.11	22.6	14.0
S.C.	67	112	104	27.0	27.0	29.0	1.8	3.0	3.0	1.54	1.23	4.7	3.7
S. Dak.	2,054	2,637	2,418	17.1	28.0	27.2	35.2	73.9	65.7	1.40	1.26	103.7	83.0
Tenn.	136	294	273	28.1	29.0	27.0	3.9	8.5	7.4	1.46	1.23	12.4	9.1
Tex.	3,027	3,326	3,825	19.8	16.0	22.0	60.6	53.2	84.2	1.46	1.26	77.7	106.0
Utah.	217	279	261	26.6	31.0	28.7	5.8	8.6	7.5	1.40	1.21	12.1	9.1
Va.	163	194	169	27.1	35.0	34.0	4.4	6.8	5.7	1.41	1.17	9.6	6.7
Wash.	2,079	2,922	2,766	39.1	40.5	39.4	81.3	118.5	109.0	1.42	1.31	168.2	142.7
Wis.	61	63	60	34.8	37.4	35.7	1.8	2.4	2.1	1.37	1.07	3.2	2.3
Wyo.	223	310	290	19.2	27.6	29.2	4.3	8.6	8.5	1.22	1.01	10.5	8.6
Other	163	166	156	29.4	33.0	32.9	4.7	5.5	5.1	(NA)	(NA)	7.7	6.2

NA Not available.

¹ Season average price received by farmers. State prices weighted by sales to obtain United States prices. Includes an allowance for unredeemed loan and purchase agreement deliveries valued at average rate.

No. 940. RICE, ROUGH—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1962 TO 1968

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (pounds)			PRODUCTION (mil. cwt.)			PRICE ¹ (dol. per cwt.)		FARM VALUE (mil. dol.)	
	1962- 1966, avg.	1967	1968 (prel.)	1962- 1966, avg.	1967	1968 (prel.)	1962- 1966, avg.	1967	1968 (prel.)	1967	1968 (prel.)	1967	1968 (prel.)
Total.....	1,818	1,970	2,353	4,074	4,537	4,475	74.2	89.4	105.3	4.97	5.00	444.0	526.8
Ark.....	439	477	572	4,210	4,550	4,350	18.5	21.7	24.9	5.12	5.00	111.1	124.4
Calif.....	332	360	432	4,945	4,900	5,400	16.5	17.6	23.3	4.84	4.85	85.4	113.1
La.....	522	565	679	3,385	3,900	3,900	17.7	22.0	26.5	4.91	4.90	108.2	130.0
Miss.....	50	55	67	3,780	4,300	4,300	1.9	2.4	2.9	5.34	5.30	12.6	15.3
Mo.....	5	5	6	4,320	4,600	4,500	0.2	0.2	0.3	5.09	4.90	1.2	1.4
Tex.....	470	508	597	4,125	5,000	4,600	19.4	25.4	27.5	4.94	5.20	125.5	142.8

¹ See footnote 1, table 939.Source of tables 939 and 940: Dept. of Agriculture, Statistical Reporting Service; annual summaries, *Crop Production and Crop Values*.

No. 941. RICE, ROUGH EQUIVALENT—PRODUCTION, DOMESTIC DISAPPEARANCE, EXPORTS, IMPORTS, AND STOCKS: 1937 TO 1968

[In thousands of hundredweight. For years beginning August 1]

YEARLY AVERAGE OR YEAR	Production	Domestic disappearance ¹	Exports ^{1,2}	Imports ^{1,2}	Stocks, end of year
1937-1941.....	23,917	19,875	5,244	688	3,230
1942-1946.....	30,497	19,980	9,598	70	1,512
1947-1951.....	39,834	23,173	16,177	294	2,658
1952-1956.....	54,116	25,899	23,665	282	18,067
1957-1961.....	50,026	27,100	25,185	373	12,279
1960.....	54,591	26,920	29,474	288	10,080
1964.....	73,166	31,088	42,521	469	7,677
1965.....	76,281	30,846	43,315	680	8,245
1966.....	85,020	31,923	51,588	8	8,511
1967 (prel.).....	89,379	33,649	55,886	7	6,785
1968 estimate.....	105,822	34,500	(NA)	(NA)	(NA)

NA Not available. ¹ Includes Puerto Rico. ² Compiled from reports of the Dept. of Commerce.

Source: Dept. of Agriculture, Economic Research Service; annual report, *Rice Situation*.

No. 942. POTATOES AND SWEET POTATOES—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1962 TO 1968

[Excludes Alaska and Hawaii]

STATE	ACREAGE HARVESTED			YIELD PER ACRE			PRODUCTION			PRICE ¹		FARM VALUE	
	1962-1966, avg.	1967	1968 (prel.)	1962-1966, avg.	1967	1968 (prel.)	1962-1966, avg.	1967	1968 (prel.)	1967	1968 (prel.)	1967	1968 (prel.)
IRISH POTATOES	1,000 acres	1,000 acres	1,000 acres	Cwt.	Cwt.	Cwt.	Mil. cwt.	Mil. cwt.	Mil. cwt.	Dol. per cwt.	Dol. per cwt.	Mil. dol.	Mil. dol.
Total.....	1,358	1,458	1,377	202	209	213	275	305	293	1.86	2.09	564	609
Ala.....	20	20	17	130	132	126	23	3	2	2.54	2.74	6	6
Ariz.....	10	11	10	235	250	230	2	3	2	2.53	3.15	7	7
Calif.....	101	110	92	300	302	323	30	33	30	2.27	2.79	76	83
Colo.....	47	46	49	231	250	226	11	12	11	1.80	1.63	21	18
Fla.....	37	36	42	156	132	162	6	5	7	3.50	3.40	17	23
Idaho.....	266	304	294	202	210	202	54	64	60	1.61	1.86	103	111
Maine.....	146	158	155	258	238	235	37	38	37	1.36	1.70	51	63
Mich.....	45	44	40	188	204	201	8	9	8	1.97	2.13	18	17
Minn.....	101	105	94	132	128	147	13	13	14	1.52	1.50	20	21
N.J.....	17	16	14	226	260	255	4	4	4	1.55	2.18	6	8
N.Y.....	79	75	70	242	238	246	19	18	17	1.90	2.38	34	41
N. Dak.....	109	120	108	126	119	145	14	14	16	1.34	1.30	19	20
Ohio.....	16	16	15	196	198	206	3	3	3	2.17	2.26	7	7
Oreg.....	37	49	47	247	270	261	9	13	12	1.75	1.90	23	23
Pa.....	39	38	37	185	240	205	7	9	8	2.23	2.60	20	20
Tex.....	21	30	27	150	147	165	3	4	4	3.45	3.33	15	15
Va.....	28	31	31	121	131	139	3	4	4	3.23	2.52	13	11
Wash.....	45	64	64	333	345	378	15	22	24	1.55	1.66	34	40
Wis.....	56	57	54	205	232	220	11	13	12	2.04	2.38	27	29
Other.....	140	129	118	147	163	162	21	21	19	(NA)	(NA)	46	48
SWEET POTATOES													
Total.....	170	147	145	87	93	92	15	14	13	4.49	5.13	61	68
Calif.....	9	8	8	93	95	105	1	1	1	9.61	9.30	7	8
Ga.....	10	8	9	82	90	80	1	1	1	6.81	6.50	5	4
La.....	51	49	53	75	84	80	4	4	4	3.52	3.80	14	16
Miss.....	13	13	11	76	85	85	1	1	1	5.04	5.20	6	5
N.J.....	10	6	5	100	100	110	1	1	1	6.57	7.00	4	4
N.C.....	20	19	17	106	115	115	2	2	2	3.37	5.80	7	11
Tex.....	13	11	12	65	75	80	1	1	1	5.11	5.60	4	5
Va.....	17	14	13	121	120	115	2	2	1	2.92	3.70	5	5
Other.....	25	19	17	82	90	94	2	2	2	(NA)	(NA)	9	9

NA Not available.

¹ Season average price received by farmers. State prices weighted by sales to obtain U.S. prices.

² Includes some quantities not harvested or not marketed because of economic conditions.

Source: Dept. of Agriculture, Statistical Reporting Service; annual summaries, *Crop Production and Crop Values*.

No. 943. CORN FOR GRAIN—PRODUCTION, DOMESTIC DISAPPEARANCE, EXPORTS, IMPORTS, AND STOCKS: 1931 TO 1968

[In millions of bushels. For years beginning October 1. Excludes Alaska, Hawaii, and Puerto Rico, except for exports and imports]

YEARLY AVERAGE OR YEAR	Production	Domestic disappearance ¹	Exports ²	Imports ²	Stocks, end of year
1931-1935.....	2,012	2,015	7	12	247
1936-1940.....	2,091	1,965	55	22	469
1941-1945.....	2,653	2,730	22	2	319
1946-1950.....	2,508	2,596	100	1	561
1951-1955.....	2,814	2,620	111	1	875
1956-1960.....	3,442	3,045	227	1	1,643
1961-1965.....	3,758	3,472	522	1	1,309
1960.....	3,907	3,387	292	1	2,016
1965.....	4,084	3,705	687	1	840
1967 (prel.).....	4,760	3,804	634	1	1,146
1968 (prel.).....	4,375	3,552	(NA)	(NA)	(NA)

NA Not available. ¹ Total disappearance, minus exports of corn and grain equivalent of corn products.

² Compiled from reports of the Dept. of Commerce. Includes grain equivalent of corn products.

Source: Dept. of Agriculture, Economic Research Service, *Feed Statistics*, Statistical Bulletin No. 410; *Feed Situation*; and Statistical Reporting Service, *Crop Production*.

No. 944. CORN FOR GRAIN—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1962 TO 1968

[Pounds per bushel, 56]

STATE	ACREAGE HARVESTED			YIELD PER ACRE			PRODUCTION			PRICE ¹		FARM VALUE	
	1962-1966, avg.	1967	1968 (prel.)	1962-1966, avg.	1967	1968 (prel.)	1962-1966, avg.	1967	1968 (prel.)	1967	1968 (prel.)	1967	1968 (prel.)
Total.....	1,000 acres 57,517	1,000 acres 60,557	1,000 acres 55,707	Bu. 68.3	Bu. 78.6	Bu. 78.5	Mil. bu. 3,862	Mil. bu. 4,760	Mil. bu. 4,375	Dol. per bu. 1.04	Dol. per bu. 1.05	Mil. dol. 4,940	Mil. dol. 4,601
Ala.....	1,021	860	688	33.7	44.0	32.0	34	38	22	1.16	1.16	44	26
Calif.....	121	220	185	83.4	84.0	95.0	10	18	18	1.32	1.35	24	24
Colo.....	193	259	246	67.3	80.0	83.0	13	21	20	1.15	1.13	24	23
Del.....	168	211	177	56.8	73.0	49.0	9	15	9	1.10	1.08	17	9
Fla.....	339	449	373	38.6	50.0	42.0	13	22	16	1.10	1.17	25	18
Ga.....	1,464	1,532	1,455	40.8	53.0	40.0	59	89	58	1.11	1.14	99	66
Ill.....	9,298	10,788	10,130	85.2	100.0	89.0	792	1,079	902	1.02	1.06	1,100	956
Ind.....	4,532	5,332	4,898	82.6	82.0	85.0	374	441	416	.99	1.02	437	425
Iowa.....	10,025	11,145	9,096	81.1	88.5	93.0	814	986	902	1.01	1.03	996	929
Kans.....	1,153	1,060	1,134	51.8	68.0	75.0	59	72	85	1.06	1.04	76	88
Ky.....	1,080	1,168	1,051	61.6	80.0	66.0	67	93	69	1.12	1.12	105	78
Md.....	415	528	484	59.3	82.0	66.0	25	43	32	1.07	1.06	46	34
Mich.....	1,461	1,407	1,266	63.0	65.0	76.0	92	91	96	.97	.98	89	94
Minn.....	4,586	4,943	4,449	64.7	72.0	81.0	297	358	360	.98	1.03	349	371
Miss.....	604	420	370	35.0	42.0	39.0	21	18	14	1.27	1.22	22	18
Mo.....	2,898	2,929	2,958	61.6	69.0	83.0	179	202	246	1.10	1.05	222	258
Nebr.....	4,304	4,510	4,149	64.3	74.0	73.0	275	334	303	1.05	1.10	350	333
N.Y.....	195	276	235	64.0	77.0	72.0	12	21	17	1.14	1.16	24	20
N.C.....	1,336	1,381	1,348	57.0	76.0	60.0	76	105	81	1.12	1.07	118	87
Ohio.....	2,989	3,240	2,884	75.4	77.0	84.0	225	249	242	1.01	1.01	252	245
Pa.....	782	921	810	60.0	88.0	70.0	47	81	57	1.17	1.13	95	64
S.C.....	432	391	387	39.8	57.0	45.0	17	22	17	1.16	1.09	26	19
S.Dak.....	2,066	2,448	2,399	41.0	58.0	46.0	110	93	110	1.04	1.05	97	116
Tenn.....	830	783	658	48.8	57.0	47.0	40	45	31	1.15	1.15	51	36
Tex.....	753	491	501	32.0	38.0	52.0	24	19	26	1.32	1.14	25	30
Va.....	454	484	436	54.2	73.0	71.0	25	35	31	1.18	1.07	42	33
Wis.....	1,560	1,703	1,754	74.4	80.0	93.0	116	136	163	1.06	1.02	144	166
Other.....	849	630	586	40.8	53.1	53.4	34	33	31	(NA)	(NA)	41	37

NA Not available.

¹ Season average price received by farmers. State prices weighted by sales to obtain U.S. prices. Includes an allowance for unredeemed loan and purchase agreement deliveries valued at average rate.

Source: Dept. of Agriculture, Statistical Reporting Service; annual summaries, *Crop Production* and *Crop Values*.

No. 945. SORGHUM FOR GRAIN—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1962 TO 1968

[Pounds per bushel, 56]

STATE	ACREAGE HARVESTED (1,000 acres)			YIELD PER ACRE (bushels)			PRODUCTION (mil. bushels)			PRICE ¹ (dol. per bu.)		FARM VALUE (mil. dol.)	
	1962-1966, avg.	1967	1968 (prel.)	1962-1966, avg.	1967	1968 (prel.)	1962-1966, avg.	1967	1968 (prel.)	1967	1968 (prel.)	1967	1968 (prel.)
Total.....	12,496	14,999	13,971	47.4	50.4	52.9	595	756	739	0.99	0.94	745	687
Ariz.....	137	246	231	72.9	81.0	79.0	10	20	18	1.17	1.13	23	21
Ark.....	29	47	50	33.8	43.0	41.0	1	2	2	1.08	.99	2	2
Calif.....	287	424	360	70.6	65.0	70.0	20	28	25	1.21	1.20	33	30
Colo.....	299	345	290	32.6	36.0	35.5	10	12	10	.96	.96	12	10
Ind.....	9	11	11	65.0	65.0	66.0	1	1	1	.99	.87	1	1
Iowa.....	26	47	45	70.0	65.0	78.0	2	3	4	.94	.88	3	3
Kans.....	3,132	3,248	3,475	42.0	46.0	47.0	131	149	163	.94	.88	140	144
La.....	5	25	34	29.1	36.0	40.0	(Z)	1	1	1.07	.96	1	1
Miss.....	10	10	26	35.4	45.0	49.0	(Z)	(Z)	(Z)	1.05	.96	(Z)	1
Mo.....	203	248	216	52.6	58.0	66.0	11	14	14	.98	.88	14	13
Nebr.....	1,948	2,193	1,776	57.7	56.5	58.0	112	124	103	.89	.87	110	90
N. Mex.....	220	314	279	52.6	61.0	56.0	12	19	16	.99	.99	19	15
N.C.....	46	46	39	42.2	50.0	47.0	2	2	2	1.05	.96	2	2
Okla.....	609	679	638	32.3	38.0	41.0	19	26	26	1.00	.95	26	25
S. Dak.....	243	317	244	38.0	24.0	34.0	9	8	8	.92	.86	7	7
Tenn.....	11	14	11	40.0	44.0	47.0	(Z)	1	1	1.06	.98	1	1
Tex.....	5,235	6,735	6,196	48.2	51.0	55.0	253	343	341	1.01	.94	347	320
Other.....	47	60	50	37.7	44.6	40.9	2	2	2	(NA)	(NA)	2	2

NA. Not available. Z. Less than 500,000 bushels or \$500,000. ¹ See footnote 1, table 944.

Source: Dept. of Agriculture, Statistical Reporting Service; annual summaries, *Crop Production and Crop Values*.

No. 946. COTTON—PRODUCTION, PRICES, CONSUMPTION, TRADE, AND CARRYOVER: 1931 TO 1968

(In thousands of bales, except price. For years ending July 31, except as noted. Excludes linters. Excludes Alaska, Hawaii and Puerto Rico, except for exports and imports. Production figures relate to crop of preceding calendar year and are compiled from reports of individual ginners. Price per pound is average price received by growers. For stocks, see *Historical Statistics, Colonial Times to 1957*, series K 304]

YEARLY AVERAGE OR YEAR	PRODUCTION		Average price per pound of upland cotton ¹ (cents)	Consumption ² (running bales)	Net exports of domestic cotton (running bales)	Net imports (equivalent 500-pound bales)	Carry-over (running bales)
	Running bales (counting round as half bales)	Equivalent 500-pound bales, gross weight					
1931-1935.....	13,046	13,343	8.9	5,465	7,244	115	7,833
1936-1940.....	12,783	13,148	9.9	6,938	5,306	171	9,008
1941-1945.....	11,640	11,957	17.3	10,301	1,372	185	11,074
1946-1950.....	11,875	12,102	29.4	9,038	3,929	252	5,014
1951-1955.....	13,997	14,093	35.2	9,339	3,977	152	6,321
1956-1960.....	12,905	13,013	31.8	8,708	5,100	137	10,207
1961-1965.....	14,779	14,795	31.0	8,688	4,924	142	10,589
1960.....	14,515	14,558	30.2	9,017	7,182	136	7,559
1963.....	¹ 14,864	¹ 14,867	32.0	8,391	3,351	137	11,216
1964.....	¹ 15,290	¹ 15,334	29.6	8,554	5,662	135	12,378
1965.....	¹ 14,933	¹ 14,973	28.0	9,171	4,060	118	14,291
1966.....	¹ 9,562	¹ 9,575	20.6	9,497	3,000	120	16,862
1967.....	¹ 7,439	¹ 7,458	25.4	9,485	4,669	105	12,533
1968 (prel.).....	¹ 10,915	¹ 10,947	25.3	8,982	4,206	149	6,448

NA. Not available. ¹ Data from Dept. of Agriculture, Statistical Reporting Service.
² Beginning 1951, adjusted to cotton season.

Source: Dept. of Commerce, Bureau of the Census; annual report, *Cotton Production and Distribution*.

No. 947. COTTON AND COTTONSEED—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1962 TO 1968

[Cotton production excludes linters. Values shown are for marketing season or crop year and should not be confused with calendar year income. Yields and prices for 1962-1966 are simple averages of figures for individual years]

YEARLY AVERAGE OR YEAR	COTTON					COTTONSEED			Total farm value
	Acres harvested	Bales (500 pounds gross)	Farm value	Yield per acre	Farm price per pound ¹	Quantity ²	Farm value	Farm price per ton	
Total:	1,000	1,000	\$1,000	Lb.	Cents	1,000 short tons	\$1,000	Dollars	\$1,000
1962-1966	13,401	13,986	2,040,435	500	28.6	5,723	289,464	51.70	2,329,899
1967	7,997	7,458	953,820	447	25.6	3,210	177,406	55.20	1,131,226
1968 (prel.)	10,175	10,822	1,366,876	511	25.3	4,483	227,397	50.70	1,594,273
Alabama:									
1962-1966	787	757	112,572	458	29.0	304	14,316	48.30	126,888
1967	340	200	25,793	282	25.7	86	4,438	51.60	30,231
1968 (prel.)	525	405	53,662	370	26.5	166	7,968	48.00	61,630
Arizona:									
1962-1966	352	776	116,575	1,051	29.4	320	15,726	49.90	132,301
1967	245	454	67,476	887	29.8	194	10,282	53.00	77,758
1968 (prel.)	296	710	96,647	1,151	27.3	294	15,435	52.50	112,082
Arkansas:									
1962-1966	1,179	1,343	199,986	538	29.0	552	27,511	51.40	227,497
1967	715	497	71,960	333	29.0	216	12,010	55.60	83,970
1968 (prel.)	980	1,030	139,050	504	27.0	430	21,500	50.00	160,550
California:									
1962-1966	725	1,661	264,072	1,091	31.5	660	33,184	50.90	297,256
1967	588	1,040	166,435	847	32.0	442	23,426	53.00	189,861
1968 (prel.)	687	1,535	214,931	1,072	28.0	625	31,260	50.00	246,181
Georgia:									
1962-1966	584	527	76,965	431	28.4	214	10,218	49.30	87,183
1967	267	228	29,386	408	25.8	98	5,057	51.60	34,443
1968 (prel.)	395	265	35,112	322	26.5	109	5,450	50.00	40,562
Louisiana:									
1962-1966	492	566	83,254	556	29.0	231	11,662	51.20	94,916
1967	330	428	61,130	621	28.6	182	10,010	55.00	71,140
1968 (prel.)	410	540	71,550	632	26.5	223	11,262	50.50	82,812
Mississippi:									
1962-1966	1,381	1,887	283,742	657	29.6	769	41,182	54.50	324,924
1967	890	1,054	149,665	567	28.4	460	26,813	58.30	176,353
1968 (prel.)	1,105	1,520	209,000	660	27.5	629	32,708	52.00	241,708
Missouri:									
1962-1966	319	376	56,770	549	29.1	154	7,344	49.50	64,114
1967	90	59	8,676	314	29.4	26	1,378	53.00	10,054
1968 (prel.)	190	195	26,812	493	27.5	81	3,969	49.00	30,781
New Mexico:									
1962-1966	176	242	39,145	657	32.1	100	5,452	55.40	44,597
1967	122	157	24,935	619	31.8	68	4,053	59.60	28,988
1968 (prel.)	152	180	26,372	568	29.4	75	3,975	53.00	30,347
North Carolina:									
1962-1966	336	263	40,321	365	29.5	106	4,997	49.50	45,318
1967	75	44	6,319	277	29.0	19	980	51.60	7,299
1968 (prel.)	195	120	16,800	295	28.0	49	2,426	49.50	19,226
Oklahoma:									
1962-1966	542	303	39,924	269	25.7	124	6,305	51.80	46,229
1967	370	194	19,633	251	20.3	84	4,771	56.80	24,404
1968 (prel.)	385	240	26,400	299	22.0	100	4,900	49.00	31,300
South Carolina:									
1962-1966	489	448	67,551	440	29.6	181	8,643	49.20	76,194
1967	190	179	26,640	449	29.8	77	4,050	52.60	30,690
1968 (prel.)	340	255	36,338	360	28.5	105	5,250	50.00	41,588
Tennessee:									
1962-1966	482	576	86,870	508	29.5	234	11,790	51.80	98,660
1967	236	145	20,614	295	28.4	63	3,471	55.10	24,085
1968 (prel.)	365	330	43,725	434	26.5	136	6,800	50.00	50,525
Texas:									
1962-1966	5,512	4,223	567,015	369	26.3	1,759	90,446	52.40	657,461
1967	3,525	2,767	273,546	376	19.8	1,190	66,402	55.80	339,948
1968 (prel.)	4,125	3,475	367,410	404	21.2	1,452	74,052	51.00	441,462
Other States:									
1962-1966	44	38	5,673	403	29.1	15	689	46.80	6,362
1967	14	12	1,712	410	28.8	5	260	50.30	1,972
1968 (prel.)	25	22	3,067	434	27.3	9	452	49.10	3,519

¹ Includes an allowance for unredeemed loans. For 1968, average price to Dec. 1.

² For 1968, based on 1963-1967 average ratio of lint to cottonseed.

Source: Dept. of Agriculture, Statistical Reporting Service; *Cotton and Cottonseed Production*, and annual summary, *Crop Values*.

No. 948. SUGAR, BEET AND CANE—U.S. AND WORLD PRODUCTION: 1940 TO 1968

[In thousands of short tons, raw value. Covers centrifugal only]

YEARLY AVERAGE OR CROP YEAR	Total	UNITED STATES			Puerto Rico and Virgin Islands, cane	WORLD	
		Beet	Cane			Total	Percent U.S.
			La. and Fla.	Hawaii			
1940-1944.....	3,730	1,451	428	880	971	26,014	14.3
1945-1949.....	3,978	1,515	455	861	1,147	27,496	14.5
1950-1954.....	4,659	1,784	566	1,066	1,243	39,141	11.9
1955-1959.....	4,720	2,088	572	1,013	1,047	49,673	9.5
1960-1964.....	5,866	2,777	935	1,142	1,012	60,742	9.7
1960.....	5,287	2,450	630	1,090	1,117	60,050	8.8
1965.....	6,041	2,816	1,104	1,234	887	69,230	8.7
1967.....	6,018	2,684	1,457	1,232	645	73,126	8.2
1968 (prel.).....	6,673	3,536	1,212	1,225	700	76,414	8.7

No. 949. SUGAR, BEET AND CANE—QUOTAS AND SUPPLY: 1950 TO 1968

[In thousands of short tons, except per capita consumption in pounds]

ITEM	1950	1955	1960	1965	1967	1968 (prel.)
Quota charges by supplying areas ¹	8,274	8,402	9,526	9,920	10,384	10,962
United States.....	3,412	3,349	3,629	5,261	5,246	5,491
Beet.....	1,749	1,797	2,165	3,025	2,824	3,095
Mainland cane.....	518	500	619	1,099	1,169	1,204
Hawaii.....	1,145	1,052	845	1,137	1,253	1,192
Puerto Rico and Virgin Islands.....	1,064	1,090	903	834	705	504
Foreign areas.....	3,798	3,963	4,994	3,825	4,433	4,967
Production.....	2,466	2,386	3,076	4,152	4,106	4,396
Visible stocks, beginning of period.....	1,759	1,930	2,005	2,700	2,598	2,873
Receipts from foreign sources.....	3,783	4,027	4,885	4,027	4,804	5,131
Receipts from offshore domestic areas.....	2,173	2,155	1,748	1,972	1,955	1,099
Domestic disappearance, total.....	8,282	8,443	9,336	10,151	10,516	11,098
Per capita consumption (refined) ²	100.6	96.3	97.6	96.5	97.1	98.5

¹ Sugar quotas govern the supply of sugar from all sources, foreign and domestic, available to the conterminous United States. The formulas for allocating the quotas among the supplying areas are established by Congress; the size of the quotas is determined by the Secretary of Agriculture.

² Adjusted for changes in invisible stocks (estimated) held by manufacturers, wholesalers, and retailers.

Source of tables 948 and 949: Dept. of Agriculture, Statistical Reporting Service, in annual report, *Agricultural Statistics*; and Agricultural Stabilization and Conservation Service, monthly report, *Sugar Reports*.

No. 950. SUGARCANE, CANE SUGAR, AND MOLASSES—ACREAGE, PRODUCTION, AND VALUE: 1940 TO 1968

[Prior to 1960 and as noted, excludes Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 295-297]

YEAR	SUGARCANE FOR SUGAR AND SEED					SUGAR PRODUCED			MOLASSES MADE	
	Acreage harvested	Yield per acre ¹	Production	Price per ton ^{2,3}	Farm value ³	Raw value ⁴	Equivalent refined ⁵	Perton of cane, raw value ⁴	Total ⁶	Black-strap (80° Brix)
	1,000 acres	Short tons	1,000 short tons	Dollars	Mil. dol.	1,000 short tons	1,000 short tons	Pounds	Mil. gallons	Mil. gallons
1940.....	272	15.9	4,313	2.86	12	332	311	172	25	22
1945.....	285	23.5	6,707	5.67	38	475	443	152	50	35
1950.....	334	20.8	6,944	7.80	54	564	527	174	49	45
1955.....	284	25.5	7,248	6.50	47	574	536	168	53	49
1960.....	437	37.7	16,468	7.41	57	1,566	1,464	199	101	98
1965.....	617	38.4	23,663	7.90	110	2,322	2,170	204	146	143
1967.....	628	42.5	26,651	9.38	144	2,648	2,475	206	161	159
1968.....	606	41.0	24,825	9.33	125	2,447	2,286	204	153	150

¹ Growth of 9 months in Louisiana and 12 months in Florida.

² Season average price received by farmers. Prices exclude Government payments under the Sugar Act, except in 1945.

³ Excludes Hawaii. ⁴ Raw value equals 96° raw sugar as defined in Sugar Act of 1948.

⁵ Calculated on basis of 100 pounds of raw sugar required to produce 93.46 pounds of refined sugar.

⁶ Excludes sirup production.

Source: Dept. of Agriculture, Statistical Reporting Service, in annual report, *Agricultural Statistics*; and Economic Research Service, annual report, *The Sugar Situation*.

No. 951. SUGAR BEETS—ACREAGE, PRODUCTION, PRICES, AND VALUE, BY STATES: 1962 TO 1968

[Totals include data for a few States not shown separately]

YEARLY AVERAGE OR YEAR AND STATE	Acres harvested (1,000)	Short tons per acre	Production (1,000 tons)	Price per ton ¹ (dollars)	Farm value (mil. dol.)	YEARLY AVERAGE OR YEAR AND STATE	Acres harvested (1,000)	Short tons per acre	Production (1,000 tons)	Price per ton ¹ (dollars)	Farm value (mil. dol.)
Total:						Montana:					
1962-1966.....	1,229	17.3	21,245	12.31	260	1962-1966.....	64	14.9	947	12.88	12
1967.....	1,122	17.1	19,197	13.55	260	1967.....	57	17.6	1,007	14.30	14
1968 (prel.).....	1,417	17.9	25,422	14.30	364	1968 (prel.).....	66	16.0	1,051	(NA)	(NA)
California:						Nebraska:					
1962-1966 ²	293	20.6	6,055	11.90	72	1962-1966.....	75	16.2	1,215	13.00	16
1967.....	201	19.8	3,983	13.00	52	1967.....	63	13.6	853	14.40	12
1968 (prel.).....	254	23.5	5,969	(NA)	(NA)	1968 (prel.).....	73	16.9	1,227	(NA)	(NA)
Colorado:						North Dakota:					
1962-1966.....	159	16.3	2,604	12.82	33	1962-1966.....	58	11.7	674	12.06	8
1967.....	128	16.5	2,105	14.10	30	1967.....	78	10.8	848	14.40	12
1968 (prel.).....	169	15.5	2,621	(NA)	(NA)	1968 (prel.).....	88	12.9	1,129	(NA)	(NA)
Idaho:						Washington:					
1962-1966.....	145	18.8	2,706	12.74	34	1962-1966.....	57	24.5	1,390	12.20	17
1967.....	147	19.8	2,912	13.30	39	1967.....	48	22.1	1,052	13.70	14
1968 (prel.).....	185	18.0	3,323	(NA)	(NA)	1968 (prel.).....	55	24.8	1,362	(NA)	(NA)
Michigan:						Wyoming:					
1962-1966.....	75	15.9	1,190	11.92	14	1962-1966.....	54	14.5	783	12.86	10
1967.....	72	17.4	1,256	13.00	16	1967.....	51	16.6	849	14.60	12
1968 (prel.).....	89	19.0	1,699	(NA)	(NA)	1968 (prel.).....	62	16.1	1,000	(NA)	(NA)
Minnesota:											
1962-1966.....	118	11.5	1,359	11.98	16						
1967.....	127	11.2	1,422	14.50	21						
1968 (prel.).....	163	13.2	2,152	(NA)	(NA)						

NA. Not available. ¹ Season average price received by farmers. Excludes Government payments under Sugar Act. ² Includes some acreage carried over to the following spring.

No. 952. TOBACCO—ACREAGE, PRODUCTION, AND VALUE, BY STATES: 1962 TO 1968

STATE	ACREAGE HARVESTED			YIELD PER ACRE			PRODUCTION			PRICE ¹		FARM VALUE	
	1962-1966, avg.	1967	1968	1962-1966, avg.	1967	1968	1962-1966, avg.	1967	1968	1967	1968	1967	1968
	1,000 acres	1,000 acres	1,000 acres	Lb.	Lb.	Lb.	Mil. lb.	Mil. lb.	Mil. lb.	Ct. per lb.	Ct. per lb.	Mil. dol.	Mil. dol.
Total.....	1,086	960	880	1,957	2,050	1,945	2,126	1,968	1,712	66.8	170.0	1,316	1,198
Mass.....	3	3	3	1,718	1,250	1,334	5	3	4	291.0	298.7	9	11
Conn.....	8	7	7	1,643	1,219	1,307	13	9	10	294.0	292.1	26	28
Pa.....	27	21	21	1,825	1,825	1,800	50	38	38	28.0	30.0	11	11
Ohio.....	13	10	9	1,964	2,171	2,015	26	21	19	63.3	65.5	13	12
Ind.....	7	6	6	2,200	2,385	2,285	16	14	13	70.0	73.7	10	10
Wis.....	11	8	8	1,726	1,943	1,824	19	16	14	34.2	37.3	6	5
Mo.....	3	2	2	2,016	2,215	2,470	6	5	5	67.6	72.3	3	4
Md.....	37	32	30	1,051	1,030	1,100	38	32	33	62.4	70.5	20	23
Va.....	83	70	67	1,832	1,883	1,692	152	132	113	63.1	65.9	83	74
W. Va.....	2	2	2	1,830	1,850	1,695	5	4	3	70.6	73.0	2	2
N.C.....	438	403	358	1,981	2,070	1,862	868	835	667	64.1	66.6	535	444
S.C.....	74	76	63	2,073	2,195	1,955	154	166	122	64.5	66.4	107	81
Ga.....	66	72	57	1,900	2,076	1,878	126	150	108	67.2	77.8	101	77
Fla.....	17	17	15	1,706	1,892	1,730	29	32	26	103.0	115.0	33	30
Ky.....	221	173	172	2,171	2,312	2,400	476	400	414	70.1	71.9	280	298
Tenn.....	75	58	59	1,923	1,908	2,072	143	110	122	67.7	69.9	75	85
Ala.....	1	1	1	1,637	1,800	1,700	1	1	1	65.5	58.5	1	1
La.....	(Z)	(Z)	(Z)	754	500	800	(Z)	(Z)	(Z)	75.0	77.0	(Z)	(Z)

Z Less than 500 acres, 500,000 pounds, or \$500,000.

¹ Season average price received by farmers. State prices weighted by sales to obtain U.S. prices.² Average of auction sales through May 6, 1969.Source of tables 951 and 952: Dept. of Agriculture, Statistical Reporting Service; annual summaries, *Crop Production and Crop Values*.

No. 953. TOBACCO—PRODUCTION, DISAPPEARANCE, EXPORTS, IMPORTS, AND STOCKS: 1931 to 1968

[In millions of pounds. Excludes Alaska, Hawaii, and Puerto Rico, except for exports and imports. Farm-sales-weight basis]

YEARLY AVERAGE OR CROP YEAR ¹	Production	Domestic disappearance ²	Exports ³	Imports ³	Stocks, end of marketing year
1931-1935.....	1,268	759	456	61	2,227
1936-1940.....	1,492	927	402	74	2,415
1941-1945.....	1,604	1,283	432	75	2,543
1946-1950.....	2,080	1,411	531	87	3,014
1951-1955.....	2,217	1,471	552	106	3,753
1956-1960.....	1,864	1,408	538	139	3,976
1961-1965.....	2,161	1,468	563	170	4,182
1960.....	1,944	1,463	567	159	3,704
1963.....	2,344	1,440	609	168	4,323
1964.....	2,228	1,506	549	169	4,496
1965.....	1,855	1,462	538	183	4,351
1966.....	1,887	1,394	704	179	4,140
1967.....	1,968	1,372	648	197	4,088
1968 (prel.).....	1,716	(NA)	(NA)	221	(NA)

NA. Not available.

¹ Flue-cured and cigar wrapper, crop year, July-June; all other types, October-September.

² U. S. tobacco only.

³ Compiled from reports of the Dept. of Commerce. Calendar year, declared weight; includes stems, trimmings, and scrap.

Source: Dept. of Agriculture, Economic Research Service; *The Tobacco Situation*.

No. 954. COMMERCIAL VEGETABLE AND OTHER SPECIFIED CROPS—ACREAGE, PRODUCTION, AND VALUE, 1967 AND 1968, AND LEADING STATES, 1968

[Relates to commercial production for fresh market and processing combined. Includes market garden areas but excludes minor producing acreage in minor producing States. Excludes production for home use in farm and nonfarm gardens. Value is for season or crop year and should not be confused with calendar-year income]

CROP	ACREAGE ¹ (1,000 acres)			PRODUCTION ² (1,000 short tons)			VALUE ³ (\$1,000)	
	1967	1968 (prel.)	1968, leading States	1967	1968 (prel.)	1968, leading States	1967	1968 (prel.)
Artichokes.....	9.6	9.6	Calif.	36.5	28.8	Calif.	6,472	5,772
Asparagus.....	129.1	125.4	Calif., N.J.	152.0	161.8	Calif., N.J.	54,150	60,840
Beans, lima ⁴	108.2	118.2	Calif., Del.	122.9	119.6	Calif., Del.	23,916	24,852
Beans, snap.....	372.2	362.1	N.Y., Fla.	826.6	805.9	Oreg., N.Y.	108,450	106,569
Beets.....	20.4	23.0	Wis., N.Y.	221.0	281.2	Wis., N.Y.	5,428	7,159
Broccoli.....	43.4	43.0	Calif., Oreg.	139.1	149.6	Calif., Oreg.	24,696	26,921
Brussels sprouts.....	6.6	6.8	Calif., N.Y.	34.2	36.1	Calif., N.Y.	7,874	8,533
Cabbage.....	115.5	108.6	Fla., N.Y.	1,250.7	1,189.6	N.Y., Fla.	59,317	64,475
Cantaloupes.....	108.7	118.4	Calif., Tex.	627.6	681.2	Calif., Tex.	78,407	78,765
Carrots.....	81.3	72.0	Calif., Tex.	886.2	938.9	Calif., Tex.	74,695	81,166
Cauliflower.....	26.0	26.8	Calif., N.Y.	121.4	134.5	Calif., N.Y.	21,584	25,022
Celery.....	33.8	33.6	Calif., Fla.	766.8	784.1	Calif., Fla.	68,889	71,691
Corn, sweet.....	661.4	702.8	Wis., Minn.	2,759.2	3,092.0	Minn., Wis.	116,084	127,550
Cucumbers.....	205.4	200.1	N.C., Mich.	844.6	799.6	Mich., N.C.	86,032	87,875
Eggplant.....	3.8	3.3	Fla., N.J.	28.8	23.6	Fla., N.J.	3,759	4,504
Escarole.....	9.4	8.1	Fla., N.J.	56.1	55.3	Fla., N.J.	6,965	8,107
Garlic.....	4.4	6.4	Calif.	25.3	40.0	Calif.	5,120	7,490
Honeydew melons.....	11.3	10.3	Calif., Tex.	78.8	69.0	Calif., Tex.	9,186	9,297
Kale.....	1.1	1.0	Va.	3.6	3.5	Va.	626	602
Lettuce.....	221.3	222.3	Calif., Ariz.	2,137.7	2,229.2	Calif., Ariz.	213,192	200,018
Mint for oil.....	85.3	96.0	Wash., Oreg.	3.1	2.7	Wash., Oreg.	34,260	28,047
Onions.....	103.6	106.4	Tex., Calif.	1,441.0	1,458.2	Calif., Tex.	104,017	100,084
Peas, green ⁵	460.0	460.2	Wis., Wash.	591.9	588.2	Wis., Wash.	65,128	63,801
Peppers, green.....	47.3	51.8	Fla., Calif.	217.6	241.4	Fla., Calif.	46,101	51,438
Shallots.....	1.0	1.0	La.	1.6	1.8	La.	394	444
Spinach.....	43.4	39.2	Calif., Tex.	201.3	195.8	Calif., Tex.	15,037	14,708
Strawberries.....	67.0	62.6	Oreg., Calif.	239.0	261.5	Calif., Oreg.	97,021	111,452
Tomatoes.....	476.3	512.6	Calif., Fla.	6,219.4	7,956.4	Calif., Ohio	418,027	512,341
Watermelons.....	272.8	286.6	Tex., Fla.	1,386.8	1,385.0	Fla., Tex.	58,239	51,842

¹ Acreage of crops for harvest for fresh market, including any partially harvested or not harvested because of low prices or other economic factors, plus acreage harvested for processing.

² Includes some quantities not marketed and excluded in computing value.

³ Fresh market vegetables valued at f.o.b. shipping point, except garlic which is field run basis at packinghouse door. Processing vegetables are equivalent returns at packinghouse door.

⁴ Shelled basis; 2 pounds of lima beans in the shell produce approximately 1 pound of shelled beans.

⁵ Shelled basis; 2½ pounds of peas in the shell produce approximately 1 pound of shelled peas.

Source: Dept. of Agriculture, Statistical Reporting Service; annual summary, *Commercial Vegetables*.

No. 955. FRUITS—PRODUCTION AND VALUE: 1967 AND 1968

[See *Historical Statistics, Colonial Times to 1957*, series K 316-328, for production and prices]

CROP	Unit	PRODUCTION ¹ (1,000 units)			FARM VALUE (mil. dol.)	
		1967	1968 (prel.)	1968, leading States	1967	1968 (prel.)
Apples (34 States) ²	Pounds.....	5,425,100	5,403,000	Wash., N.Y.	306	341
Peaches.....	Pounds.....	2,692,100	3,653,200	Calif.....	161	185
Pears.....	Tons.....	463	625	Calif., Wash.....	78	98
Grapes.....	Tons.....	3,069	3,578	Calif.....	212	230
Cherries, sweet.....	Tons.....	111	87	Calif., Mich.....	44	38
Cherries, tart.....	Tons.....	88	138	Mich.....	31	41
Plums.....	Tons.....	98	108	Calif.....	22	24
Prunes (dried basis).....	Tons.....	164	160	Calif.....	45	44
Oranges and tangerines (4 States).....	Boxes ³	190,010	128,370	Fla.....	350	399
Grapefruit (4 States).....	Boxes ⁴	55,880	44,060	Fla.....	77	104
Lemons (2 States) ⁵	Boxes ⁶	17,910	16,550	Calif.....	59	60

¹ Includes some quantities not harvested or not marketed on account of economic conditions.² Production in commercial orchards with 100 or more bearing age trees.³ Net content of box varies. In California and Arizona, approximate average for oranges and tangerines is 75 pounds; in other States, oranges 90 pounds; and Florida tangerines 95 pounds.⁴ Approximate average, net weight, is 65 pounds in Arizona and California, 85 in Florida, and 80 in Texas.⁵ Includes estimates for Arizona. ⁶ About 76 pounds net.Source: Dept. of Agriculture, Statistical Reporting Service; annual summaries, *Crop Production and Crop Values*.

No. 956. CANNED FOODS—CANNERS' SUPPLY AND STOCKS: 1967-68 AND 1968-69

[In thousands]

COMMODITY	Season begin- ning date	ACTUAL CASES						STANDARD CASES ¹ (Jan. 1, stocks)	
		1967- 68, total supply	Jan. 1, 1968, stocks	1968-69 supply			Jan. 1, 1969, stocks	1968	1969
				Total	Carry- over	Pack			
VEGETABLES									
Asparagus.....	Mar. 1	7,833	2,493	8,197	1,386	6,811	(NA)	2,572	(NA)
Beans, green and wax.....	July 1	² 48,263	27,349	³ 53,085	9,651	43,434	31,387	31,295	36,212
Beans, lima.....	Aug. 1	3,760	(NA)	4,253	784	3,469	2,787	(NA)	3,153
Beets.....	July 1	² 12,127	6,010	³ 14,172	2,161	12,011	9,026	6,756	10,310
Carrots.....	July 1	² 5,464	3,199	³ 5,111	1,768	3,353	3,051	4,071	3,790
Corn.....	Aug. 1	48,492	26,560	60,780	3,993	56,788	38,238	27,469	40,039
Peas.....	June 1	37,682	18,817	39,094	5,813	33,281	20,232	20,657	22,074
Pumpkin and squash.....	July 1	3,808	⁴ 1,290	3,651	563	3,088	⁵ 999	⁶ 1,815	⁷ 1,454
Sauerkraut ⁸	Aug. 1	² 9,241	-	³ 8,593	1,961	6,632	-	5,400	4,703
Spinach.....	Mar. 1	² 6,769	2,035	(NA)	(NA)	(NA)	(NA)	2,588	(NA)
Tomatoes.....	July 1	² 31,153	15,773	(NA)	(NA)	(NA)	(NA)	20,626	(NA)
Tomato catsup and chili sauce.....	July 1	58,915	35,047	(NA)	(NA)	(NA)	(NA)	35,073	(NA)
FRUITS									
Apples.....	Sept. 1	² 3,924	2,413	³ 4,188	1,200	2,988	2,827	2,326	2,641
Applesauce.....	Sept. 1	² 23,131	15,549	³ 25,445	4,008	21,437	17,095	9,100	10,013
Apricots.....	June 1	6,568	3,002	6,924	1,163	5,761	(NA)	2,354	(NA)
Cherries, red, pitted.....	July 1	1,123	395	1,628	28	1,600	716	299	519
Cherries, sweet.....	June 1	1,446	677	1,113	282	831	(NA)	426	(NA)
Fruit cocktail ⁶	June 1	25,150	14,122	(NA)	(NA)	(NA)	(NA)	9,751	(NA)
Grapefruit segments ⁷	Oct. 1	² 2,856	1,840	³ 2,188	739	1,449	1,220	1,710	1,070
Peaches.....	June 1	36,967	14,835	(NA)	(NA)	(NA)	(NA)	12,685	(NA)
Pears.....	June 1	10,503	5,170	(NA)	(NA)	(NA)	(NA)	4,000	(NA)
Pineapple ⁸	June 1	² 24,529	10,384	³ 25,486	7,866	17,620	10,480	7,400	7,264
Plums.....	June 1	2,636	1,418	1,435	592	843	725	1,228	647
JUICES									
Citrus blends ⁷	Oct. 1	² 1,017	555	³ 902	435	467	496	666	598
Grapefruit ⁷	Oct. 1	² 5,182	2,270	³ 4,967	3,192	1,775	2,148	2,640	2,556
Orange ⁷	Oct. 1	² 6,092	3,798	³ 4,299	1,108	3,192	2,152	4,143	2,117
Pineapple ⁸	June 1	² 13,960	6,307	³ 13,206	3,289	9,917	4,339	7,019	4,837
Tomato ⁹	July 1	38,468	23,376	(NA)	(NA)	(NA)	(NA)	24,849	(NA)
FISH									
Maine sardines ¹⁰	Jan. 1	1,533	(NA)	1,979	339	1,640	(NA)	339	765
Salmon.....	Jan. 1	4,936	2,612	5,468	1,191	4,277	3,045	1,666	2,312

- Represents zero. NA Not available. ¹ Vegetables, 24/303's except sauerkraut, 24/2½'s, and tomato catsup and chili sauce, 24/14 oz.; fruits, 24/2½'s except apples, 6/10's, and grapefruit segments, 24/2's; salmon, 48/1 lb. ² Pack and supply to Jan. 1, 1968.

³ Pack and supply to Jan. 1, 1969. ⁴ Stocks as of Dec. 1. ⁵ Converted, 10 cases of 24/2½'s per barrel of 45 gallons. ⁶ Includes fruit for salad and mixed fruits (except citrus). ⁷ Florida only. ⁸ Includes Philippines.

⁹ Includes vegetable juice combinations containing at least 70 percent tomato juice.

¹⁰ All data in standard cases of 100/4's; supply data are for calendar years 1967 and 1968, respectively.

Source: Dept. of Commerce, Bureau of the Census; *Canned Food Report*.

No. 957. CANNED FOODS—PRODUCTION: 1950 TO 1968

[In millions of standard cases of 24 No. 303 cans, except as noted. Excludes Alaska and Hawaii, except as noted.
See *Historical Statistics, Colonial Times* to 1957, series P 190-191, for canned corn and tomatoes]

PRODUCT	1950	1955	1960	1962	1963	1964	1965	1966	1967	1968
Fruits¹	75.4	91.4	101.5	108.4	100.7	120.3	106.9	115.6	96.3	(NA)
Apples	4.9	3.3	3.1	3.7	3.7	3.6	3.2	3.4	3.3	3.3
Applesauce	8.3	8.3	11.8	12.4	13.0	15.3	15.9	11.5	13.0	14.1
Apricots	3.7	5.9	6.1	4.0	4.1	5.2	5.1	5.0	4.2	4.5
Berries ²	1.3	1.1	0.8	0.9	0.8	0.7	0.7	0.9	1.0	0.5
Cherries, red, pitted	3.8	3.5	1.6	3.2	0.9	3.6	2.4	1.0	0.8	1.1
Cherries, sweet	0.7	1.4	0.6	1.1	0.5	1.0	0.7	0.6	0.8	0.5
Citrus salad	0.6	0.5	0.2	0.1	0.3	0.2	0.2	0.3	0.2	(NA)
Cranberry sauce ³	2.5	3.0	2.2	3.2	3.3	3.1	3.4	3.6	3.5	3.8
Figs ⁴	0.5	0.6	0.5	0.5	0.4	0.5	0.3	0.3	0.3	0.2
Fruit cocktail ⁴	7.5	9.8	12.8	13.8	12.6	16.2	14.5	15.8	13.4	16.6
Fruit salad ⁴	0.6	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.6	0.8
Grapefruit sections ⁵	3.2	3.3	3.0	1.8	2.1	2.5	2.8	3.3	2.4	(NA)
Mixed fruits ⁴	0.1	0.2	0.4	0.5	0.4	0.6	0.5	0.5	0.3	0.5
Olives ^{4,6}	1.8	1.8	2.8	2.5	2.8	2.4	2.5	2.9	0.9	4.8
Peaches ⁴	16.8	23.1	30.8	33.2	33.2	37.8	30.0	36.7	26.8	35.9
Pears	6.4	8.3	8.5	9.4	5.6	11.4	6.4	11.0	5.7	10.3
Pineapple ^{4,7}	11.7	14.7	15.0	15.1	15.0	13.6	15.0	16.7	16.4	(NA)
Plums ⁸	1.0	1.7	0.4	2.2	1.2	1.5	1.7	1.5	1.9	0.7
Juices:^{1,9}										
Apple	3.4	3.4	6.2	7.4	8.4	9.6	9.6	8.9	8.7	9.4
Grapefruit	18.3	13.8	11.0	9.4	6.3	10.9	13.8	21.0	15.8	(NA)
Orange	22.5	16.6	11.5	11.8	8.2	10.8	12.1	16.3	10.4	(NA)
Orange-grapefruit	9.4	5.4	3.2	3.1	2.6	2.5	2.9	3.7	2.2	(NA)
Pineapple ⁷	15.7	16.2	14.4	15.3	14.8	13.8	15.4	15.0	15.1	(NA)
Tomato	26.2	26.9	33.0	40.2	34.5	36.3	32.8	31.9	35.1	31.4
Seasonal vegetables	151.5	167.0	177.9	204.5	203.4	192.0	207.5	207.0	235.7	(NA)
Asparagus	5.5	7.6	8.0	9.1	9.3	8.2	7.2	7.9	6.6	6.9
Beans, green and wax	25.6	28.5	33.2	36.9	37.7	37.4	45.6	40.5	53.2	51.8
Beans, lima	3.9	3.4	3.8	3.6	3.1	2.2	3.0	3.5	4.0	3.8
Beets ¹	9.9	9.2	8.8	12.6	12.7	10.7	10.0	11.4	11.8	(NA)
Carrots ¹	2.3	2.2	5.0	5.1	5.1	4.5	4.5	7.1	5.5	(NA)
Corn, sweet	22.3	29.4	35.3	45.7	44.2	37.6	39.1	45.5	49.3	59.3
Creens, leafy	2.4	3.1	2.9	2.2	2.8	2.9	2.7	2.9	3.6	2.8
Mixed vegetables	2.9	2.0	2.6	2.5	2.7	3.1	3.3	3.4	3.6	3.8
Mushrooms ¹	(NA)	(NA)	(NA)	(NA)	1.8	1.9	1.9	2.1	2.2	(NA)
Peas, field	2.1	2.2	2.1	2.0	2.1	1.8	1.8	2.5	2.7	2.4
Peas, green	35.5	33.4	28.7	33.7	33.6	30.0	37.6	31.9	37.7	36.2
Pimientos	1.5	1.2	0.9	0.3	0.4	0.7	0.8	0.7	0.8	0.8
Pumpkin and squash	2.7	5.1	5.0	4.8	4.0	3.8	3.9	4.6	4.6	4.6
Spinach ²	6.8	7.3	7.8	7.3	8.0	7.6	6.4	7.0	7.4	8.0
Tomatoes ¹²	25.8	30.2	31.0	35.5	33.0	36.4	36.0	32.7	39.1	37.5
Other vegetable packs ¹²	2.3	2.2	2.8	3.2	2.9	3.2	3.7	3.3	3.6	3.7
Nonseasonal vegetables:										
Sauerkraut ¹	10.9	9.3	9.8	9.4	9.6	9.0	10.8	10.0	11.4	(NA)
Sweet potatoes	5.2	6.2	6.9	10.9	8.8	7.9	11.1	10.0	9.8	10.8
White potatoes	1.9	3.3	4.2	3.7	3.5	3.8	5.0	5.3	4.8	5.7
Catsup and chili sauce	14.2	22.4	30.0	38.7	29.8	34.0	35.6	37.4	39.4	(NA)
Seafood, salmon ¹³	(NA)	(NA)	(NA)	(NA)	(NA)	3.9	3.5	4.3	2.1	3.4

NA Not available. ¹ Basis 24 No. 2½ cans. ² Pack beginning in year shown.

³ Blackberries, blueberries, boysenberries, gooseberries, loganberries, raspberries, and strawberries.

⁴ California only. ⁵ Estimated by Calif. Olive Association. ⁶ Includes spiced peaches.

⁷ Hawaiian pack plus receipts from Puerto Rico. Beginning 1955, represents U.S. pack and foreign operations.

⁸ Beginning 1965, purple plums only. ⁹ Basis 24 No. 2 cans.

¹⁰ Actual cases; excludes combination vegetable-tomato juices. ¹¹ Actual cases.

¹² Succotash, carrots and peas, okra, okra and tomatoes. ¹³ Basis 48/1 lb. cans. Includes Alaska.

Source: National Canners Association, Washington, D.C.; *Canned Food Pack Statistics*.

No. 958. PRINCIPAL FROZEN FOODS—PRODUCTION: 1950 TO 1968

[In millions of pounds]

ITEM	1950	1955	1960	1964	1965	1966	1967	1968
Total	2,972	7,307	10,868	12,439	14,144	13,748	16,536	16,214
Vegetables:								
Total, excluding potatoes	558	1,011	1,407	1,521	1,800	1,999	2,017	2,122
Potato products	29	129	551	1,118	1,219	1,460	1,491	1,736
Fruits and berries, excl. citrus juices	472	660	660	795	653	664	642	728
Juices and drinks ¹	1,212	3,429	4,656	4,429	5,514	4,350	6,657	5,259
Meat	35	250	810	875	450	525	600	720
Poultry	411	1,000	2,000	2,900	2,281	2,200	2,369	2,472
Prepared foods	75	625	1,100	1,550	1,875	2,115	2,326	2,684
Seafoods	180	203	284	351	402	435	434	493

¹ Includes single strength drinks, and juices and concentrated juices and drinks reconstituted.

Source: National Frozen Food Association, New York, N.Y.; *Frozen Food Fact Book and Directory*. Data from National Association of Frozen Food Packers; Dept. of Agriculture, Statistical Reporting Service; and Dept. of the Interior, Fish and Wildlife Service.

No. 959. LIVESTOCK—NUMBER ON FARMS AND VALUE PER HEAD: 1940 TO 1969

[Alaska and Hawaii excluded from census data prior to 1959 and from annual data prior to 1961. See also *Historical Statistics, Colonial Times to 1957*, series K 195-204]

YEAR	ALL CATTLE		HOGS AND PIGS		STOCK SHEEP	
	Number (1,000 head)	Value per head	Number (1,000 head)	Value per head	Number (1,000 head)	Value per head
CENSUS DATA ¹						
1940 (Apr. 1).....	60,675	\$42.82	34,037	\$8.36	40,129	\$5.99
1945 (Jan. 1).....	82,654	67.78	46,735	21.14	41,224	8.71
1950 (Apr. 1).....	76,762	119.02	55,722	19.70	31,387	17.69
1954 (Oct.-Nov.).....	95,027	86.64	57,093	33.13	² 31,619	14.93
1959 (Oct. 1).....	92,534	135.20	67,949	20.18	33,945	16.38
1964 (Dec.).....	105,558	(NA)	54,080	(NA)	25,472	(NA)
ANNUAL DATA (JAN. 1)						
1940.....	68,309	40.60	61,165	7.78	46,266	6.35
1945.....	85,573	66.90	59,373	20.60	39,009	8.45
1950.....	77,863	124.00	58,937	27.10	26,182	17.80
1955.....	96,592	88.20	50,474	30.60	27,137	14.90
1960.....	96,236	137.00	59,026	18.50	28,849	16.50
1965.....	109,000	113.00	50,792	24.50	21,843	15.80
1967.....	108,045	140.00	53,249	33.20	20,061	19.70
1968.....	109,152	140.00	55,265	29.80	19,105	19.20
1969 (prel.).....	109,661	158.00	57,205	31.90	18,184	22.00

NA. Not available. ¹ For 1940, animals over 3 months, except hogs over 4 months and sheep over 6 months; thereafter, animals of all ages. ² Not available for Florida, Georgia, and South Carolina.

Source: Census data—Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1964*, Vol. II. Annual data—Dept. of Agriculture, Statistical Reporting Service; in annual report, *Agricultural Statistics*, and annual livestock summaries.

No. 960. MEATS AND LARD—SLAUGHTERING, PRODUCTION, AND TRADE: 1950 TO 1968

[Quantities represent carcass weight equivalent. Excludes Alaska and Hawaii except for exports and imports. Covers inspected, noninspected, retail, and farm slaughter. Excludes edible byproducts. Excludes USDA exports and shipments for Lend-Lease, UNRRA and other claimants, military civilian feeding, and voluntary relief feeding. See *Historical Statistics, Colonial Times to 1957*, series K 214-225]

ITEM	1950	1955	1960	1965	1966	1967	1968 (prel.)
All meats:							
Animals slaughtered, total.....1,000 head..	121,622	137,055	135,034	130,653	129,354	136,978	139,669
Under Federal inspection.....percent.....	72	75	78	82	83	83	85
Production, total.....mil. lb.....	22,075	26,895	28,237	31,539	32,625	34,238	35,275
Federally inspected.....percent.....	73	75	78	82	83	83	85
Exports of U.S. production.....mil. lb.....	135	189	197	231	233	246	288
Imports for consumption.....mil. lb.....	384	406	1,048	1,347	1,721	1,841	2,081
Beef:							
Animals slaughtered, total.....1,000 head..	18,614	26,587	26,029	33,171	34,171	34,354	35,477
Under Federal inspection.....percent.....	70	72	75	80	80	81	83
Production, total.....mil. lb.....	9,534	13,569	14,753	18,727	19,726	20,210	20,875
Federally inspected.....percent.....	74	75	78	82	82	83	86
Exports of U.S. production.....mil. lb.....	21	59	55	91	83	88	88
Imports for consumption.....mil. lb.....	338	220	760	923	1,182	1,313	1,500
Veal:							
Animals slaughtered, total.....1,000 head..	10,501	12,864	8,615	7,788	6,861	6,107	5,611
Under Federal inspection.....percent.....	56	58	61	65	65	66	69
Production, total.....mil. lb.....	1,230	1,578	1,109	1,020	910	792	735
Federally inspected.....percent.....	54	57	56	56	54	53	57
Lamb and mutton:							
Animals slaughtered, total.....1,000 head..	13,244	16,553	16,240	13,300	13,003	13,035	12,120
Under Federal inspection.....percent.....	89	87	86	88	89	88	90
Production, total.....mil. lb.....	597	758	768	651	650	646	602
Federally inspected.....percent.....	89	87	87	88	89	89	91
Pork:							
Animals slaughtered, total.....1,000 head..	79,263	81,051	84,150	76,394	75,325	83,482	86,461
Under Federal inspection.....percent.....	72	76	79	83	85	85	86
Production, total.....mil. lb.....	10,714	10,990	11,607	11,141	11,339	12,581	13,063
Federally inspected.....percent.....	73	76	79	84	85	85	87

¹ Comprises weight of dressed hog carcass less head bones and carcass fat rendered into lard.

Source: Dept. of Agriculture, Economic Research Service; *The Livestock and Meat Situation* and *The National Food Situation*.

No. 961. LIVESTOCK ON FARMS—NUMBER, BY STATES: 1964 AND 1969

[In thousands. For composition of regions, see fig. I, p. xii]

STATE	ALL CATTLE		MILK COWS		SHEEP AND LAMBS		HOGS AND PIGS	
	1964 (Nov.- Dec.)	1969 (Jan. 1)	1964 (Nov.- Dec.)	1969 ¹ (Jan. 1)	1964 (Nov.- Dec.)	1969 (Jan. 1)	1964 (Nov.- Dec.)	1969 (Jan. 1)
United States.....	105,558	109,661	14,623	14,123	25,472	21,111	54,080	57,205
North.....	52,685	51,916	9,860	9,257	8,592	6,467	44,863	45,941
South.....	33,359	36,620	3,191	3,141	5,360	4,724	8,166	10,133
West.....	19,514	21,125	1,572	1,725	11,520	9,920	1,051	1,131
New England.....	874	826	511	507	53	47	139	138
Maine.....	158	147	76	76	23	17	13	9
New Hampshire.....	82	74	44	43	6	6	13	13
Vermont.....	368	351	230	232	8	6	8	6
Massachusetts.....	127	121	79	75	9	11	82	91
Rhode Island.....	16	13	10	8	2	2	9	9
Connecticut.....	123	120	72	73	5	5	14	10
Middle Atlantic.....	3,901	3,783	2,022	2,029	330	281	667	716
New York.....	1,959	1,849	1,134	1,132	130	103	95	86
New Jersey.....	153	135	87	82	10	8	122	124
Pennsylvania.....	1,789	1,799	791	815	190	170	450	506
East North Central.....	14,077	12,829	3,951	3,733	2,286	1,875	16,770	15,938
Ohio.....	2,164	2,094	544	503	838	744	2,513	2,485
Indiana.....	2,053	1,841	328	274	361	282	4,497	4,278
Illinois.....	3,751	3,379	422	363	561	413	7,309	6,977
Michigan.....	1,725	1,439	574	499	323	257	716	654
Wisconsin.....	4,584	4,076	2,083	2,094	203	179	1,735	1,644
West North Central.....	33,834	34,478	3,377	2,988	5,924	4,264	27,288	29,149
Minnesota.....	4,281	3,958	1,237	1,146	774	570	3,396	3,243
Iowa.....	7,285	7,551	736	605	1,305	961	13,674	14,855
Missouri.....	4,522	4,748	461	412	447	306	3,564	4,257
North Dakota.....	2,465	2,025	229	168	597	373	842	266
South Dakota.....	4,144	4,366	223	214	1,000	1,266	1,776	1,678
Nebraska.....	5,987	6,266	250	218	550	393	2,982	3,134
Kansas.....	5,150	5,564	241	225	591	386	1,264	1,711
South Atlantic.....	7,276	7,632	1,127	1,153	489	418	3,733	4,628
Delaware.....	37	32	18	16	2	2	33	38
Maryland.....	415	418	175	184	23	19	151	181
Virginia.....	1,812	1,404	246	253	223	197	480	545
West Virginia.....	482	461	84	72	195	166	78	56
North Carolina.....	906	1,020	198	211	26	20	1,046	1,469
South Carolina.....	555	623	77	76	5	2	569	460
Georgia.....	1,747	1,870	153	152	8	6	1,278	1,551
Florida.....	1,822	1,804	176	189	7	6	208	328
East South Central.....	8,676	9,367	1,185	1,141	321	187	3,158	3,721
Kentucky.....	2,341	2,748	407	400	184	112	1,098	1,361
Tennessee.....	2,136	2,308	370	352	98	49	958	927
Alabama.....	1,848	1,896	160	156	12	7	721	987
Mississippi.....	2,351	2,415	248	233	27	19	381	496
West South Central.....	17,407	19,621	879	847	4,549	4,119	1,275	1,784
Arkansas.....	1,574	1,719	132	109	15	8	220	259
Louisiana.....	1,867	1,722	187	198	43	26	181	196
Oklahoma.....	4,200	4,659	168	166	149	136	254	386
Texas.....	9,766	11,521	392	374	4,342	3,949	620	943
Mountain.....	11,987	13,088	505	540	8,725	7,820	582	697
Montana.....	2,873	2,984	55	48	1,460	1,225	168	102
Idaho.....	1,603	1,668	165	171	1,007	852	106	119
Wyoming.....	1,348	1,389	23	20	2,029	1,782	30	25
Colorado.....	2,499	3,119	93	110	1,482	1,337	170	230
New Mexico.....	1,203	1,346	35	39	861	840	39	48
Arizona.....	1,104	1,206	46	55	546	500	24	51
Utah.....	748	785	75	82	1,105	1,053	38	52
Nevada.....	609	591	13	15	235	231	7	10
Pacific.....	7,525	8,037	1,066	1,185	2,795	2,100	470	434
Washington.....	1,376	1,259	192	200	211	148	98	80
Oregon.....	1,620	1,577	126	120	626	569	113	117
California.....	4,303	4,954	732	848	1,925	1,356	190	172
Alaska.....	8	9	2	2	21	27	1	1
Hawaii.....	218	238	14	15	12	-	68	64

- Represents zero. ¹ Represents cows and heifers 2 years old and over kept for milk.Source: 1964 data, Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture: 1964*, Vol. II; 1969 data, Dept. of Agriculture, Statistical Reporting Service; annual livestock summaries.

No. 962. LIVESTOCK—LIVEWEIGHT PRODUCTION AND ANNUAL AVERAGE PRICE RECEIVED BY FARMERS: 1940 TO 1968

[Price per 100 pounds. Prior to 1963, excludes Alaska and Hawaii except sheep exclude Hawaii for all years. See also *Historical Statistics, Colonial Times to 1957*, series K 205-212]

YEAR	ALL CATTLE			HOGS		SHEEP		
	Production ¹	Price, beef	Price, calves	Production ¹	Price	Production ¹	Price, sheep	Price, lambs
	<i>Mil. lb.</i>			<i>Mil. lb.</i>		<i>Mil. lb.</i>		
1940.....	15,702	\$7.56	\$8.83	17,043	\$5.39	2,101	\$3.95	\$8.10
1945.....	19,517	12.10	13.00	18,843	14.00	1,912	6.38	13.10
1950.....	21,185	23.30	26.30	20,214	18.00	1,336	11.60	25.10
1955.....	28,099	15.60	16.80	20,154	15.00	1,618	5.78	18.40
1960.....	28,796	20.40	22.90	19,203	15.30	1,628	5.60	17.90
1963.....	32,777	19.90	24.00	20,960	14.90	1,403	5.76	18.10
1964.....	34,836	18.00	20.40	20,217	14.80	1,331	6.00	19.90
1965.....	33,879	19.90	22.00	18,055	20.60	1,217	6.34	22.80
1966.....	35,020	22.20	26.00	19,107	22.80	1,251	6.84	23.40
1967.....	35,932	22.30	26.30	20,634	18.90	1,143	6.35	22.10
1968.....	36,486	23.40	27.60	21,197	18.60	1,115	6.60	24.40

¹ Includes adjustment for livestock shipped in and inventory changes.

Source: Dept. of Agriculture, Statistical Reporting Service; in annual reports, *Agricultural Statistics and Meat Animals—Farm Production, Disposition, and Income, by States, 1967-1968*.

No. 963. DAIRYING—COWS AND DAIRY PRODUCTS: 1950 TO 1968

[In millions of pounds, except as indicated. Excludes Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series K 226-239]

ITEM	1950	1955	1960	1965	1966	1967	1968 (prel.)
Cows and heifers, 2 yrs. old and over, kept for milk, Jan. 1.....1,000 head.....	23,853	23,462	19,527	¹ 16,981	¹ 15,987	¹ 15,198	¹ 14,644
Value per head.....dollars.....	177.00	134.00	210.00	¹ 188.00	¹ 208.00	¹ 247.00	¹ 251.00
Milk produced on farms.....	116,602	122,945	¹ 123,109	¹ 124,173	¹ 119,892	¹ 118,769	¹ 117,281
Whole milk sold from farms ²	78,140	93,632	¹ 108,013	¹ 114,547	¹ 111,418	¹ 111,184	¹ 110,618
Production of dairy products:							
Butter, factory ³	1,386	1,383	1,373	1,325	1,112	⁴ 1,223	1,172
Cheese, factory ³	1,191	1,367	1,478	1,755	1,854	⁴ 1,913	1,947
American ⁶	897	1,008	1,007	1,170	1,233	⁴ 1,288	(NA)
Swiss (including block).....	99	117	121	123	137	⁴ 132	(NA)
Brick, Munster, and Limburger.....	36	49	54	56	56	⁴ 54	(NA)
Cream and Neufchatel.....	69	80	106	123	116	⁴ 122	(NA)
All Italian varieties.....	60	86	158	244	271	⁴ 279	(NA)
All other varieties ⁷	32	29	37	43	46	⁴ 43	(NA)
Condensed milk.....	1,057	1,078	1,273	1,442	1,515	⁴ 1,325	(NA)
Evap. milk, unskimmed, unsweetened.....	2,882	2,580	2,177	1,693	1,709	⁴ 1,493	1,361
Condensed or evaporated buttermilk.....	183	63	8	2	2	⁴ 3	(NA)
Dry whole milk.....	125	108	98	89	94	⁴ 74	76
Nonfat dry milk solids ⁸	899	1,386	1,844	2,013	1,606	⁴ 1,705	(NA)
Dry whey.....	156	211	277	404	471	⁴ 497	(NA)
Malted milk powder.....	31	34	25	22	23	⁴ 15	(NA)
Ice cream of all kinds ⁹mil. gallons.....	554	629	1,700	¹ 757	¹ 751	¹ 745	(NA)
Sherbet (excludes water ices).....mil. gallons.....	17	37	141	145	147	¹ 146	(NA)
Ice milk.....mil. gallons.....	37	90	¹ 145	¹ 231	¹ 240	¹ 247	(NA)
Wholesale prices:							
Wisconsin Cheese Exchange, twins or cheddars.....cents per lb.....	30.8	31.6	34.6	35.8	43.6	42.7	(NA)
Butter, N.Y. (Grade A).....cents per lb.....	62.2	58.2	59.9	61.0	67.2	67.5	67.8
Prices received by farmers:							
Milkfat in cream.....cents per lb.....	62.0	57.8	60.5	61.1	67.2	68.2	67.2
Whole milk:							
Wholesale, per 100 lb.....dollars.....	3.89	4.01	¹ 4.21	¹ 4.23	¹ 4.81	¹ 5.01	¹ 5.25
Retail.....cents per qt.....	18.5	20.8	¹ 21.7	¹ 22.3	¹ 23.2	¹ 24.0	¹ 24.8

NA Not available. ¹ Includes Alaska and/or Hawaii.

² Comprises sales to plants and dealers, and retail sales by farmers direct to consumer.

³ Includes whey butter. ⁴ Preliminary. ⁵ Excludes full-skim American-type cheese.

⁶ Includes total American, part-skim and full-skim American-type cheese.

⁷ Includes Blue Mold. ⁸ Includes dry skim milk for animal feed.

⁹ Includes ice cream made by counter freezers and by other small retailers.

Source: Dept. of Agriculture, Statistical Reporting Service; annual reports, *Production of Manufactured Dairy Products and Milk Production, Disposition, and Income*; also in annual report, *Agricultural Statistics*.

No. 964. WHOLE MILK SOLD, BY STATES: 1959 AND 1964

[Quantity in millions of pounds. For composition of regions, see fig. I, p. xii]

STATE	Farms reporting, 1964	QUANTITY		STATE	Farms reporting, 1964	QUANTITY	
		1959	1964			1959	1964
United States.....	544,794	97,606	107,422	South Atlantic—Con.			
North.....	400,886	68,188	75,821	Virginia.....	10,597	1,519	1,507
South.....	110,673	13,844	17,118	West Virginia.....	3,109	395	371
West.....	33,235	13,574	14,484	North Carolina.....	7,492	956	1,084
				South Carolina.....	1,663	407	429
New England.....	14,450	4,347	4,282	Georgia.....	2,537	735	821
Maine.....	2,568	635	592	Florida.....	711	1,087	1,256
New Hampshire.....	1,555	380	366				
Vermont.....	6,184	1,769	1,824	East South Central...	61,217	4,788	5,283
Massachusetts.....	2,166	724	737	Kentucky.....	27,142	1,715	1,981
Rhode Island.....	263	114	98	Tennessee.....	22,609	1,597	1,745
Connecticut.....	1,714	724	665	Alabama.....	3,615	535	647
				Mississippi.....	7,761	941	911
Middle Atlantic.....	65,166	16,503	17,797	West South Central...	18,366	4,363	4,784
New York.....	33,226	9,335	10,143	Arkansas.....	5,304	614	567
New Jersey.....	2,052	999	911	Louisiana.....	2,594	552	793
Pennsylvania.....	29,888	6,169	6,743	Oklahoma.....	4,780	953	968
				Texas.....	5,688	2,244	2,456
East North Central...	175,247	31,128	33,224	Mountain.....	17,025	3,727	3,763
Ohio.....	28,820	4,323	4,557	Montana.....	1,196	266	229
Indiana.....	18,567	2,559	2,643	Idaho.....	9,378	1,361	1,258
Illinois.....	19,094	3,552	3,527	Wyoming.....	1,523	101	122
Michigan.....	25,874	4,456	5,013	Colorado.....	1,668	683	673
Wisconsin.....	82,952	16,227	17,484	New Mexico.....	403	178	255
				Arizona.....	340	366	479
West North Central...	146,023	16,210	20,518	Utah.....	3,376	688	629
Minnesota.....	58,015	7,746	9,203	Nevada.....	141	85	120
Iowa.....	33,176	3,407	4,746				
Missouri.....	26,953	2,521	2,591	Pacific.....	16,210	9,847	10,720
North Dakota.....	3,296	235	477	Washington.....	5,200	1,638	1,666
South Dakota.....	7,640	495	1,027	Oregon.....	4,378	928	854
Nebraska.....	7,326	550	1,049	California.....	6,472	7,153	8,048
Kansas.....	9,617	1,256	1,425	Alaska.....	85	15	22
				Hawaii.....	75	107	131
South Atlantic.....	31,090	6,692	7,051				
Delaware.....	596	179	138				
Maryland.....	4,885	1,413	1,444				

Source: Dept. of Commerce, Bureau of the Census; *U.S. Census of Agriculture, 1964*, Vol. II.

No. 965. POULTRY—NUMBER ON FARMS, VALUE, EGGS PRODUCED, AND PRICES: 1940 TO 1969

[Prior to 1963, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series K 242-253]

YEAR	CHICKENS ¹				EGGS		TURKEYS			
	Number, Jan. 1	Value per head, Jan. 1	Number produced	Price per pound ²	Number produced	Price per dozen ²	Number, Jan. 1	Value per head, Jan. 1	Number produced	Price per pound ²
	1,000	Dollars	Millions	Cents	Millions	Cents	1,000	Dollars	Millions	Cents
1940.....	438,288	0.60	556	13.0	39,707	18.0	8,569	2.14	33	15.2
1945.....	516,497	1.21	799	25.9	56,221	37.7	7,082	5.79	42	33.7
1950.....	456,549	1.36	535	22.2	58,954	36.3	5,124	6.34	44	32.9
1955.....	390,708	1.05	375	18.6	59,526	39.5	4,917	5.33	65	30.2
1960.....	369,484	1.06	260	12.2	61,462	36.1	5,633	4.89	84	25.4
1963.....	375,575	1.16	254	10.0	63,500	34.5	6,374	4.40	94	22.3
1964.....	382,262	1.16	255	9.2	65,215	33.8	5,996	4.28	101	21.0
1965.....	394,118	1.17	240	8.9	65,692	33.7	6,100	4.40	106	22.2
1966.....	393,019	1.21	282	9.7	66,484	39.1	6,905	5.26	116	23.1
1967.....	428,746	1.20	265	7.9	70,031	31.2	7,817	5.13	126	19.7
1968.....	425,158	1.14	247	8.2	69,326	34.0	7,301	4.65	106	20.5
1969.....	420,204	1.21	(NA)	(NA)	(NA)	(NA)	6,919	4.95	(NA)	(NA)

NA Not available.

¹ Excludes commercial broilers. ² Average annual price received by farmers.Source: Dept. of Agriculture, Statistical Reporting Service. In annual report, *Agricultural Statistics*.

No. 966. EGGS AND POULTRY—PRODUCTION, BY STATES: 1967 AND 1968

[Eggs in millions; other figures in thousands. For composition of regions, see fig. I, p. xii]

STATE	EGGS PRODUCED		CHICKENS RAISED		BROILERS PRODUCED		CHICKS HATCHED BY COMMERCIAL HATCHERIES		TURKEYS RAISED	
	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968
United States.....	70,031	69,326	323,712	301,382	2,592,642	2,599,484	3,293,360	3,313,390	126,577	106,419
North.....	30,922	29,532	135,167	120,247	(D)	(D)	507,922	470,480	59,767	50,562
South.....	27,767	28,210	143,457	138,528	2,261,888	2,270,899	2,673,624	2,634,581	(NA)	(NA)
West.....	11,342	11,584	45,088	42,607	(D)	(D)	211,814	208,870	(NA)	(NA)
New England.....	3,137	3,148	15,293	14,648	91,434	88,026	127,063	122,055	598	493
Maine.....	1,175	1,226	6,110	5,927	73,907	72,429	84,111	80,823	33	40
New Hampshire.....	379	376	2,011	1,890	2,293	1,376	9,618	8,017	79	42
Vermont.....	129	122	647	492	65	62	97	(1)	20	25
Massachusetts.....	531	509	2,490	2,316	5,593	5,369	² 16,000	² 17,047	290	250
Rhode Island.....	79	76	373	336	538	556	(2)	(2)	14	14
Connecticut.....	844	839	3,762	3,687	9,038	8,134	17,237	16,168	162	122
Middle Atlantic.....	6,702	6,491	27,014	24,535	48,040	49,133	107,787	³ 111,832	2,871	2,287
New York.....	2,374	2,409	9,719	9,233	2,709	2,709	22,035	(NA)	379	344
New Jersey.....	1,163	933	3,790	2,842	1,075	1,000	5,439	(NA)	488	340
Pennsylvania.....	3,165	3,149	13,505	12,460	44,256	45,424	80,313	87,800	2,004	1,594
East North Central.....	9,832	9,769	42,526	39,855	(D)	(D)	142,370	123,943	15,615	13,168
Ohio.....	2,365	2,202	9,680	8,131	10,504	9,664	28,330	24,505	4,054	3,692
Indiana.....	2,845	2,934	14,046	13,344	17,039	17,100	57,235	57,887	4,323	3,388
Illinois.....	1,917	1,856	8,552	8,210	(D)	(D)	22,636	21,035	995	782
Michigan.....	1,620	1,519	5,832	5,548	941	518	13,075	(NA)	1,167	1,353
Wisconsin.....	1,385	1,258	4,716	4,622	14,738	14,885	21,094	21,036	5,076	4,003
West North Central.....	11,251	10,124	50,334	41,209	35,013	36,373	³ 130,702	³ 112,609	40,683	34,614
Minnesota.....	2,463	2,270	10,970	8,995	9,756	11,415	32,801	29,165	17,740	16,349
Iowa.....	3,435	3,094	13,123	9,186	2,374	2,659	28,750	(NA)	7,671	5,913
Missouri.....	1,419	1,338	8,639	7,861	20,867	20,450	40,677	27,599	11,473	9,933
North Dakota.....	306	276	1,575	1,370	-	-	(NA)	(NA)	1,107	815
South Dakota.....	1,384	1,121	5,379	4,142	-	-	(NA)	(NA)	1,279	1,158
Nebraska.....	1,282	1,132	5,761	5,012	1,404	1,292	11,123	9,696	913	951
Kansas.....	962	893	4,887	4,643	612	557	6,874	6,572	600	395
South Atlantic.....	13,285	13,540	66,836	64,462	1,102,266	1,100,829	¹ 1,284,675	¹ 1,308,756	18,459	17,043
Delaware.....	131	127	665	566	127,346	114,873	(NA)	(NA)	306	167
Maryland.....	324	344	1,617	1,698	151,032	157,887	(NA)	(NA)	178	128
Virginia.....	1,122	1,118	6,070	5,342	51,786	56,965	71,522	70,506	5,897	4,067
West Virginia.....	345	329	1,334	1,280	16,460	16,460	(NA)	(NA)	1,664	1,060
North Carolina.....	2,949	3,034	14,375	14,306	262,872	262,872	286,707	297,354	6,937	8,276
South Carolina.....	1,234	1,184	5,262	5,052	19,483	19,543	26,601	26,963	1,860	1,525
Georgia.....	4,981	4,992	26,203	24,408	447,123	436,748	529,892	533,262	1,917	1,820
Florida.....	2,199	2,412	11,310	11,310	26,164	35,481	74,365	83,776	(4)	(4)
East South Central.....	7,045	7,101	35,779	35,951	578,025	583,048	618,582	¹ 325,825	1,422	923
Kentucky.....	720	698	3,071	3,010	9,663	8,987	5,929	(NA)	243	115
Tennessee.....	1,172	1,172	4,874	4,971	46,802	42,100	42,947	42,231	37	26
Alabama.....	2,643	2,659	14,285	14,285	324,629	328,510	356,771	369,089	1,047	742
Mississippi.....	2,510	2,572	13,449	13,685	196,931	203,451	212,935	219,425	95	40
West South Central.....	7,437	7,569	40,842	38,115	581,597	587,022	670,367	(NA)	⁵ 25,218	⁵ 21,023
Arkansas.....	3,143	3,298	19,397	18,905	365,371	369,025	421,289	438,751	8,342	6,802
Louisiana.....	804	817	3,540	3,660	41,240	42,776	47,878	46,651	10	0
Oklahoma.....	541	524	2,546	2,495	13,552	13,281	6,847	(NA)	(1)	(1)
Texas.....	2,940	2,930	15,559	13,055	161,434	161,040	194,353	197,721	8,000	7,230
Mountain.....	1,454	1,459	6,422	6,293	(D)	(D)	³ 16,580	³ 18,013	(1)	(1)
Montana.....	201	212	1,136	1,116	-	-	(NA)	(NA)	⁴ 2,248	⁴ 1,430
Idaho.....	224	209	900	810	6,090	6,400	6,606	(NA)	(1)	(1)
Wyoming.....	44	41	179	161	-	-	(NA)	(NA)	(4)	(4)
Colorado.....	310	308	1,370	1,533	-	-	2,196	1,990	2,644	2,303
New Mexico.....	145	159	787	771	-	-	(NA)	(NA)	(1)	(1)
Arizona.....	243	244	958	815	(D)	(D)	3,473	(NA)	81	68
Utah.....	280	280	1,056	1,056	1,779	1,815	3,138	3,011	3,803	3,181
Nevada.....	7	6	36	31	-	-	(NA)	(NA)	-	-
Pacific.....	9,888	10,125	38,666	36,314	105,467	104,064	195,234	190,357	21,711	16,868
Washington.....	1,094	1,065	4,794	4,219	21,980	21,288	36,946	32,402	612	578
Oregon.....	511	561	2,321	2,003	13,150	13,750	16,838	18,285	1,988	1,937
California.....	8,078	8,287	30,815	29,274	69,045	67,664	139,950	139,670	19,111	14,353
Alaska.....	9	8	31	29	-	-	-	-	-	-
Hawaii.....	196	204	705	789	1,292	1,362	1,500	-	-	-

- Represents zero. D Withheld to avoid disclosure. NA Not available.

¹ Vermont included with New Hampshire. ² Rhode Island included with Massachusetts. ³ Includes data for States not available separately. ⁴ Florida, Idaho, New Mexico, Oklahoma, and Wyoming included with Montana. ⁵ Data for Mountain region included to avoid disclosures.Source: Dept. of Agriculture, Statistical Reporting Service. In annual report, *Agricultural Statistics*.

No. 967. FATS AND OILS—SUPPLY, DISPOSITION, AND UTILIZATION: 1940 TO 1968
 [In millions of pounds. Prior to 1960, excludes Alaska and Hawaii; except exports and imports include Alaska, Hawaii, and Puerto Rico for all years. Includes fat content of butter]

ITEM	1940	1945	1950	1955	1960	1965	1968
Total supply	12,212	12,375	15,554	17,684	20,752	24,442	25,562
Production from domestic materials ¹	8,350	9,301	12,056	14,364	17,353	20,532	21,496
Imports and production from imported materials... Stocks, Jan. 1 ²	1,651 2,211	904 2,170	1,320 2,178	1,056 2,264	1,074 2,325	1,189 2,721	1,398 2,668
Disposition:							
Exports ³	423	996	2,045	4,102	5,965	7,481	7,354
Domestic disappearance ⁴	9,298	9,670	11,523	11,600	12,649	14,538	15,698
Food uses⁵	6,143	5,732	7,016	7,658	8,241	9,524	10,260
Butter (fat content).....	1,806	1,316	1,327	1,237	1,112	1,040	958
Lard (direct).....	1,901	1,609	1,906	1,642	1,361	1,226	1,108
Shortening.....	1,196	1,456	1,705	1,988	2,302	2,768	3,326
Margarine.....	257	499	764	1,075	1,367	1,535	1,720
Other.....	982	853	1,314	1,717	2,094	2,955	3,148
Nonfood uses⁶	3,121	3,936	4,271	3,955	4,419	4,962	5,438

¹ Includes oil equivalent of cottonseed, soybeans, peanuts, and flaxseed exported for crushing abroad.

² Beginning 1950, excludes Government strategic stockpiling of coconut, palm, castor, and sperm oils.

³ Includes commercial exports, voluntary or civilian relief, reexports, shipments to Puerto Rico, American Samoa, Guam, and Virgin Islands. ⁴ Beginning 1950, includes Government stockpiling.

⁵ Domestic. Not adjusted for trade and change in stocks of shortening, margarine, soap, and secondaries.

Source: Dept. of Agriculture, Economic Research Service, *Fats and Oils Situation*; and Statistical Reporting Service. In annual report, *Agricultural Statistics*.

No. 968. ANIMAL AND VEGETABLE FATS AND OILS: 1966 TO 1968

[In millions of pounds. Excludes Alaska and Hawaii. Covers factory operations only and, therefore, excludes considerable quantities of lard, tallow, and grease produced on farms and by local butcheries and small renderers; and quantities consumed and held in homes, hotels, restaurants, and bakeries, and by painters, building contractors, garages, etc. Stocks include amounts held by, and in transit to, producers, factory consumers, and public storages, but excludes amounts held in private storages by retailers, wholesalers, and jobbers]

PRODUCT	1966				1967				1968 (prel.)			
	Pro- duction	Consump- tion ¹		Stocks, Dec. 31	Pro- duction	Consump- tion ¹		Stocks, Dec. 31	Pro- duction	Consump- tion ¹		Stocks Dec. 31
		In re- fining	In prod- ucts			In re- fining	In prod- ucts			In re- fining	In prod- ucts	
Vegetable oils:												
Cottonseed, crude.....	1,675	1,599	(X)	120	1,108	1,116	(X)	84	1,115	1,057	(X)	113
Cottonseed, refined ²	1,506	(X)	1,258	262	1,051	(X)	1,011	168	1,002	(X)	910	160
Peanut, crude.....	167	166	(X)	12	176	176	(X)	16	209	203	(X)	12
Peanut, refined ²	160	(X)	148	12	165	(X)	176	7	198	(X)	205	6
Corn, crude.....	447	431	(X)	33	444	452	(N A)	21	453	464	(X)	21
Corn, refined ²	398	(X)	388	20	418	(X)	420	17	430	(X)	439	19
Soybean, crude.....	5,811	5,361	(X)	298	6,150	5,282	(X)	406	6,150	5,464	(X)	305
Soybean, refined ²	5,152	(X)	5,210	213	5,073	(X)	5,203	257	5,251	(X)	5,371	283
Coconut, crude.....	363	605	(X)	204	351	601	(X)	118	392	586	(X)	178
Coconut, refined ²	570	(X)	783	20	565	(X)	766	16	552	(X)	731	19
Tall, crude.....	1,243	(D)	(X)	180	1,211	(D)	(X)	112	1,239	69	(X)	135
Tall, refined ²	162	(X)	1,322	67	148	(X)	1,309	60	146	(X)	1,288	50
Linseed, raw and boiled.....	454	294	(X)	173	371	264	(X)	168	307	242	(X)	126
Linseed, all other.....	(N A)	(X)	235	36	(N A)	(X)	210	45	(N A)	(X)	196	31
Chinawood or tung.....	(D)	(X)	32	64	(D)	(X)	30	71	(D)	(X)	27	61
Castor ³	(D)	(X)	135	181	(D)	(X)	122	146	(D)	(X)	133	108
Palm.....	(X)	(X)	67	33	(X)	(X)	86	17	(X)	(X)	97	29
Palm kernel, crude.....	(X)	80	(X)	30	(X)	100	(X)	16	(X)	90	(X)	24
Palm kernel, refined ²	72	(X)	71	30	91	(X)	87	16	79	(X)	90	24
Animal fats and fish oils:												
Lard ⁴	1,900	(X)	596	100	2,045	(X)	723	151	2,029	(X)	777	94
Tallow, edible ⁵	567	(X)	516	51	578	(X)	525	73	558	(X)	517	50
Tallow and grease, in- edible ⁵	4,467	(X)	2,464	447	4,753	(X)	2,402	425	4,745	(X)	2,478	359
Fish oils ⁶	164	(X)	43	99	118	(X)	36	80	171	(X)	30	105

¹ Withheld to avoid disclosure of individual company data. N A Not available. X Not applicable.

² Includes hydrogenated fats and other fats and oils "in process"; includes crude oils used directly in products.

³ Production includes once-refined only (alkali or caustic washed); stocks include hydrogenated oils and other "in process" oils.

⁴ Production is quantity rendered; consumption and stocks include both rendered and refined.

⁵ Includes data for menhaden, sardine, and fish oils other than cod and cod liver.

Source: Dept. of Commerce, Bureau of the Census; *Current Industrial Reports*, Series M 20K-13.